

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S	Calm	0	30.37	69	71	70	bc	Cum Nimb	8	S		
2			W	"	0	30.35	69	71	70	"	"	8			
3			"	"	0	30.35	67	70	69	"	"	9			
4			N	"	0	30.35	67	69	68	"	"	8			
5			N by W	"	0	30.35	67	68	67	b	None	10			
6			"	"	0	30.35	67	68	67	bc	Cir Cum	6			
7			NNW	ENE	0-1	30.36	66	67	69	"	"	3			
8			NW	"	0-1	30.37	68	67	67	"	"	7			
9			NW by N	WNW	0-1	30.40	70	69	69	"	"	8			
10			WNW	NNW	0-1	30.40	70	70	70	"	"	9			
11			S by E	Calm	0	30.40	70	71	71	"	"	9			
Noon.			"	SSW	1	30.40	70	72	71	"	"	9			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1200 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S	SE	4	30.45	72	74	72	bc	Cir Cum	9	S
2	"	ESE	3	30.33	72	73	71	"	"	9	
3	"	E	3	30.30	72	73	72	"	"	8	
4	"	"	2	30.30	72	73	72	"	"	8	
5	NW by N	SE	2	30.32	71	73	72	"	"	7	
6	NNE	"	1	30.32	71	73	72	"	"	8	
7	N	E	2	30.35	70	73	71	"	"	9	
8	NNE	ESE	2	30.35	70	72	70	"	"	9	
9	"	NNW	2	30.35	70	71	69	"	"	9	
10	SE by S	ESE	1	30.35	70	71	69	"	"	9	
11	E	SE	3	30.35	70	70	69	"	"	9	
Mid.	S	"	1-0	30.35	71	70	69	"	"	9	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday August 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Damp Calm At 3.35 swung to ebb.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Calm first part. Light airs later part from E.N.E. At 7.50
Flag Ship made general signal 3351. answered. Received on board fresh provisions for crew.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Clear and pleasant. Calm and light variable airs. Swung to flood at 11.30

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light to moderate breeze from S.E. to E. At 12.30
Flag Ship made general signal 3967 and Geog[raphical] 1516. At 3 the French Admiral of the
"Thernis" visited Comdg. Officer Flood tide. Midshipman C. S. Bruns reported for duty on board
in obedience to orders from Navy Dept.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Clear and pleasant. Light airs to light breeze from S.E. to E. Swung to ebb at
5.15.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear and pleasant. Light airs to light variable breeze. Tide turned flood at
8.30.

Signed J. K. Cogswell
Lieut

Moon phase last qr. Dec. S. 1 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by E	ESE	1		30.35	70	70	69		bc	Cum	9		S
2			S	E	1		30.35	70	70	69		b	None	10		"
3			SW by S	"	1		30.35	70	70	69		"	"	10		"
4			NNW	"	1		30.35	70	70	69		"	"	10		"
5			N by W	"	0-1		30.33	69	70	68		"	"	10		"
6			N	Calm	0		30.33	69	69	68		bc	Cir Cum	9		"
7			NNW	"	0		30.38	69	69	68		"	"	9		"
8			N by W	ENE	0-1		30.39	69	69	68		"	"	9	"	
9			N	NW	0-1		30.40	70	69	70		"	"	9	"	
10			NW by N	N	0-1		30.42	71	72	71		"	"	9	"	
11			"	"	0-1		30.42	70	72	70		"	"	9	"	
Noon.			W	Calm	0		30.41	70	73	72		"	"	2	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			900 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SSE	Calm	0	30.38	72	73	72	bc	Cir Cum	4	S
2	S	SE	1-2	30.38	73	74	72	"	"	5	
3	"	"	2	30.35	73	74	72	"	"	8	
4	"	"	2	30.35	73	74	72	"	"	2	
5	E	ESE	4	30.35	72	73	70	"	"	2	
6	"	"	3	30.35	72	73	70	"	Cum Nimb	7	
7	N	E	2	30.35	72	72	71	"	"	9	
8	"	"	1-2	30.35	71	71	70	"	"	3	
9	E	"	2-3	30.38	71	70	69	"	"	5	
10	SE	"	3	30.37	70	69	70	"	"	7	
11	SSE	"	1-2	30.37	70	69	69	"	"	9	
Mid.	S	"	1-2	30.37	69	70	69	"	"	9	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday August 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant Light airs from E.S.E. and E. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Calm and light airs from E. and E.N.E. Bar[ometer] rising
Sea smooth. Tide turned ebb at 4.15. At 7.30 Flag Ship made general sig. 3551. At 8 dressed
ship at mastheads Brazilian Flag at main in honor of Brazilian holiday.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear first part. Cloudy latter part of watch. Light airs from E.N.E. and N.
Calm last hour. At 9.15 exercised at fire quarters Div. cast loose as follows. Eng. 28 s[econds].
Nav. 35 s. Marine Guard 45 sec. 1st 45 sec. 2nd 50 sec. Pdr [Powder] 50. Secured in 1 m[inute]
30 sec. Midshipman J. R. Henderson absent without leave R. E. Eugene (W.O.S.) and Asa
Mitchell (Lds) absent from the ship without leave. Tide turned flood at 10.30. Mid. Henderson
was placed under suspension by order of Comdr. for overstaying leave.

Signed J. K. Cogswell
Lieut

Merid. to 4 P.M. Partially cloudy first half. Clear and pleasant last half. Calm and light breeze
from S.E. Flood tide at 1. Brazilian French and American Flag Ship and shore batteries of 21
guns. Received in Paymasters Dept. 2000 gals fresh water.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy and pleasant. Moderate breeze from E.S.E. first part Light airs latter
part from E. At 5.15 Flag Ship made general sig. 2985. Swung to ebb at 415.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Partially cloudy first part. Clear and pleasant latter part. Wind light to gentle
from E. Bar. rising sea smooth. Flood tide. Ship riding to wind first part.

Signed C. K. Curtis
Lieut

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			ENE	Calm	0		30.37	70	70	69		b	None	10	S	
2			S by E	"	0		30.37	70	70	68		"	"	10	"	
3			S by W	"	0		30.36	69	70	68		"	"	10	"	
4			S	SE	0-1		30.35	69	70	68		"	"	10	"	
5			"	North	1		30.35	69	70	68		bcz	Cum Str	9	"	
6			"	"	1		30.35	69	70	68		"	"	9	"	
7			N	"	1		30.40	70	70	68		"	"	9	"	
8			"	"	1		30.42	70	70	68		"	"	9	"	
9			NW by N	"	0-1		30.44	70	70	68		bc	"	9	"	
10			NW	"	1		30.45	70	71	69		"	"	9	"	
11			SW	"	1		30.45	69	71	69		"	"	9	"	
Noon.			"	"	1		30.42	69	71	70		"	Cum	9	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		2000 "
Water remaining on hand fit for use at noon		2600 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			SE	SE	1-2		30.40	71	72	71		bc	Cum Str	9	S	
2			"	"	3		30.38	71	73	71		"	"	9	"	
3			"	"	4		30.36	71	73	71		"	"	9	"	
4			South	"	4		30.36	72	73	71		"	"	9	"	
5			SE	"	3		30.36	72	73	71		"	"	9	"	
6			NNE	"	2-3		30.36	72	72	70		"	"	9	"	
7			N by W	"	1-3		30.36	72	72	70		"	"	9	"	
8			N	"	1		30.36	72	72	70		"	"	5	"	
9			NE by E	"	1		30.40	72	71	70		"	"	7	"	
10			S	"	1		30.40	71	71	70		"	"	7	"	
11			"	Calm	0		30.40	70	71	70		"	"	7	"	
Mid.			"	"	0		30.40	70	71	70		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Calm first three hours; light airs from S.E. last hour. Flood tide.

(Signed) J. K. Cogswell
Lieut

4 to 8 A.M. Clear and fine, but hazy about horizon. Light airs from North. Swung to ebb at 6.10.

(Signed) Sam. C. Lemly
Ensign

8 A. M. to Merid. Weather clear and pleasant. Wind light from North. Barometer falling. Sea smooth. Tide turned flood at 10.40.

(Signed) C. K. Curtis
Lieut

Merid. to 4 P.M. Clear and pleasant. Sea smooth. Barometer falling slowly. Running flood tide. At 12.30 sea breeze made from S.E. Recorder of Summary Court Martial furnished John Hall (O.S.2nd CI) with copy of specifications preferred against him by Comdr. W. S. Schley. At 3.30 "Hartford" made 2984.

(Signed) Sam. C. Lemly
Ensign

4 to 8 P.M. Clear and pleasant. Gentle breeze from S. E. decreasing to light airs by end of watch. Barometer steady. Sea smooth. Tide turned ebb at 5.30.

(Signed) C. K. Curtis
Lieut

8 P.M. to Mid. Clear and pleasant. Light breeze from S. E. & calm. Barometer steady. At 9 swung to flood.

(Signed) Sam. C. Lemly
Ensign

Moon phase 1st qr. Dec. S. 13°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			N by W	E	1	30.40	70	71	70	bc	Cir Cum	9	S			
2			NE	"	0-1	30.40	70	70	69	"	"	9	"			
3			SSE	"	1	30.38	69	69	68	"	"	9	"			
4			S by W	"	1	30.38	68	69	68	"	"	9	"			
5			"	"	1	30.35	68	69	68	"	"	8	"			
6			N by E	"	1	30.35	68	69	68	"	Cir Cum Nimb	2	"			
7			NNE	"	0-1	30.38	68	69	68	"	"	2	"			
8			N by W	NE	0-1	30.38	68	68	68	"	"	1	"			
9			"	"	0-1	30.40	70	70	69	"	Cir Cum	5	L			
10			"	"	0-1	30.45	71	71	70	"	"	5	"			
11			SW	"	0-1	30.45	71	71	70	"	"	5	"			
Noon.			"	"	2	30.45	71	72	71	"	"	5	"			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SSW	S	2	30.40	72	74	73	bc	Cir Cum	8	S
2	SSE	SSE	3	30.38	72	75	74	"	"	9	"
3	SE	SE	3	30.36	73	75	74	"	"	8	"
4	S by E	SSE	3	30.36	73	75	74	"	"	8	"
5	"	"	3	30.36	73	74	73	"	"	8	"
6	"	"	2	30.36	72	73	71	"	"	8	"
7	NNW	"	1	30.36	73	72	71	"	"	8	"
8	N	"	1	30.39	72	72	71	"	"	8	"
9	N by E	ESE	1	30.40	71	72	71	"	"	5	"
10	NNW	E	1	30.42	71	72	71	"	"	8	"
11	S	"	3	30.42	71	72	71	"	"	8	"
Mid.	"	"	2	30.42	70	72	71	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday August 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind light from E. Barometer falling slowly.
Sea smooth. Tide turned flood at 2.30.

(Signed) C. K. Curtis
Lieut

4 to 8 A.M. Clear first hour. Cloudy remainder of watch. Light airs from E. and N.E. Swung to
ebb at 6. At 7.30 Flagship made gen. sig. 3350. Answered.

(Signed) C. B. T. Moore
Ensign

8 A. M. to Merid. Partially clear. Pleasant. Light airs from N.E. freshening last hour. Long swell.
Barometer rising. Ord. Sergt. Louis Zachman (M.C.) reported the expiration of his term of
service. At 9.45 held divisional inspection and at 10, Comdr. inspected ship and crew at
quarters, and afterwards held divine service. The following men absent without leave. Viz:
Wm.G. Norwood (Sea) John Farren (2s M.) W. W. Sheldon (O.S.2d Cl.) Thos. C. Pentz (O.S.
2d Cl.) At 10.30 slack water. Ship riding across tide remainder of watch. At 11.30 John Farren
2s.M.) and Wm. G. Norwood (Sea.) returned on board. Sent a special liberty party of 35 men
ashore until 7 A.M. tomorrow. Philip Hazard (O.S.) run from Whale Boat while ashore on duty.

(Signed) Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear. Warm. Light to gentle breeze varying from S. to S.E. Flood tide. Thos. C.
Pentz (O.S.2d Cl.) and W. W. Sheldon (O.S. 2d Cl.) returned on board.

(Signed) C. B. T. Moore
Ensign

4 to 8 P.M. Clear and pleasant. Moderate breeze S.S.E. falling light towards end of watch. At
6.30 swung to ebb. Asa S. Mitchell (Lds) returned on board 7 days overtime. Barometer rising
slowly. Sea smooth.

(Signed) Sam. C. Lemly
Ensign

8 P.M. to Mid. Clear and pleasant. Bright moonlight. Light airs to gentle breeze from E.S.E. and
E. Swung to flood at 10.40.

(Signed) C. B. T. Moore
Ensign

Moon phase 1st qr. Dec. S. 19°

Examined and found to be correct

(Signed) Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NW by N	N	1	30.42	70	72	70		bc	Cum	9	L	
2			N by E 12 E	NE	2	30.42	69	71	69		"	"	9	"	
3			"	"	2	30.41	70	71	70		b	None	9	"	
4			SE by E	"	2	30.41	70	71	70		"	"	10	"	
5			S by W	Calm	0	30.41	70	71	70		"	"	10	"	
6			"	"	0	30.41	70	71	70		Bc	Cum	9	S	
7			"	"	0	30.41	70	71	70		"	"	9	"	
8			N by W	"	0	30.42	70	71	70		"	"	9	"	
9			NNW	NW	0-1	30.45	71	71	70		"	Cum Nimb	7	"	
10			"	N	2	30.45	71	71	70		"	Cir Cum Nimb	4	"	
11			SSW	"	1	30.45	71	72	71		"	"	3	"	
Noon.			SE	ENE	4	30.45	71	73	72		"	"	1	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SE by E	NE	4	30.44	72	73	72	o	Cir Nimb	0	S
2	NE	ENE	4	30.44	72	74	73	bc	"	1	"
3	NW by N	"	4	30.44	72	74	73	"	"	2	"
4	"	E	4	30.44	72	75	73	"	"	6	"
5	SE	"	2	30.39	73	74	73	"	"	4	"
6	S by E	ESE	2	30.38	72	73	72	"	"	5	"
7	"	"	2	30.38	72	73	72	"	"	8	"
8	N by E	"	2	30.38	71	73	72	"	"	9	"
9	N	E	4	30.40	71	72	71	"	"	2	"
10	NW	"	3	30.40	71	72	71	"	"	5	"
11	S	"	3	30.43	71	72	71	"	"	7	"
Mid.	S by E	ENE	2	30.43	71	72	71	"	"	4	"

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday August 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light breeze from North and N.E. Long swell.
Barometer falling slowly. At 1.10 swung to ebb and at 3.55 to flood

(Signed) Sam. C. Lemly
Ensign

4 to 8 A.M. Clear and pleasant. Calm. American steamer "City of Rio de Janeiro" came in and
anchored. Swung to ebb at 7. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered. Philip
Hazard (O.S.) was brought on board on a state of beastly intoxication.

(Signed) J. K. Cogswell
Lieut

8 A. M. to Merid. Cloudy. Pleasant. Light airs from N. first three hours. Moderate breeze from
E.N.E. last hour. Summary Court met at 9.40 and adjourned at 10.50. Patrick Punch (O.S.) and
John Delwon (O.S.) returned on board. Swung to flood at 10.30.

(Signed) C. B. T. Moore
Ensign

Merid. to 4 P.M. Cloudy and pleasant. Moderate breeze from N.E. to East. At 12.20 Flagship
made gen. sig. 2735, and at 3.30 2984. Answered. Swung to the ebb at 1.30.

(Signed) J. K. Cogswell
Lieut.

4 to 6 P.M. Clear, cool and pleasant. Light breeze from E.S.E. At 4.40 Flagship made
prep[atory] sig. 5404. Answered. At 5.10 went to quarters to serve out clear hammocks. By
order of Comdg. Officer, confined James Brady (Mach) in single irons for imprudently persisting
in his desire to see the Comdg. Officer. Swung to ebb at 7.00.

(Signed) C. B. T. Moore
Ensign

8 P.M. to Mid. Cloudy and pleasant. Light to moderate breeze from East to E.N.E. Bright
moonlight. Swung to flood at 11.

(Signed) J. K. Cogswell
Lieut

Moon phase 2nd qr. Dec. S. 23 °

Examined and found to be correct

(Signed) Asa Walker
Lt. & Navigator.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1			S by E	NE	2	30.43	71	72	71		b	None	10	S			
2			N by W	"	2	30.40	71	72	71		"	"	10	"			
3			N	"	1	30.40	71	72	71		"	"	10	"			
4			"	"	0-1	30.40	71	72	71		"	"	10	"			
5			"	"	0-1	30.38	71	70	70		"	"	10	"			
6			S	"	0-1	30.38	70	71	70		bc	Cum	6	"			
7			NW by W	"	0-1	30.39	69	70	69		"	"	4	"			
8			N	N	1	30.40	69	70	69		"	Cir Cum Str	3	"			
9			"	Calm	0	30.40	71	72	71		"	"	8	"			
10			NNW	NNW	0-1	30.42	71	73	72		"	"	9	"			
11			W	NW	0-1	30.42	72	73	72		"	"	9	"			
Noon.			WSW	"	0-1	30.42	72	74	73		"	"	9	"			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	S by W	SSE	1-2	30.38	72	74	73	bc	Cir Cum Str	7	S	
2	SSW	"	2	30.34	72	74	73	"	"	7	"	
3	WNW	SE	1-2	30.33	73	76	74	"	"	7	"	
4	NE	"	2	30.33	73	74	73	"	"	5	"	
5	SSE	E	2-3	30.33	74	74	73	"	"	6	"	
6	SE	ESE	4	30.33	72	73	72	"	"	7	"	
7	ESE	"	4	30.33	72	72	70	"	"	8	"	
8	E by N	"	5	30.33	72	71	69	"	"	8	"	
9	NNE	NE	2-3	30.34	71	71	70	"	"	7	"	
10	N by E	"	1	30.33	71	71	70	"	"	7	"	
11	NE	"	1	30.33	71	71	70	"	"	6	"	
Mid.	"	Calm	0	30.33	71	70	70	"	"	5	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday August 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light breeze from N.E. to light airs. Swung to ebb at 1.30.

(Signed) C. B. T. Moore
Ensign

4 to 8 A.M. Clear and pleasant first hour, cloudy remainder of watch. Light airs from N.E. and N. Barometer rising. Sea smooth. Swung to flood at 5.30 and to ebb at 6.40. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) C. K. Curtis
Lieut

8 A. M. to Merid. Clear and pleasant. Light airs from N.N.W. to N.W. At 9.15 inspected at quarters. Received in Equipment Department 3 coils manila rope 3 1/4 in. 1 coil 3 1/2 in. 1 coil 2 3/4 in. and 3 coils 3 3/4 in. James Brady (Mach.) was released from confinement by order of Commanding Officer. Sent launch to "Guard" for the purpose of transferring stores.

(Signed) J. K. Cogswell
Lieut

Merid. to 4 P.M. Clear and pleasant. Wind light from S.S.E. to S.E. Barometer falling. Sea smooth. Tide turned ebb at 2.30. Received in Equipment Department the following stores viz: 1 coil manila rope 1 1/2 in. 1 coil 1 3/4 in. and 35 fathoms hemp rope 3/4 m. At 3.30 H.B.M. Gunboat "Avon" got underweigh and left the harbor.

(Signed) C. K. Curtis
Lieut

4 to 8 P.M. Clear and pleasant. Light breeze first part, increasing to stiff breeze and shifting from S. E. to E.S.E. At 5.15 Flagship made gen. sig. 2985. Answered. Swung to the flood at 4.30.

(Signed) J. K. Cogswell
Lieut

8 P.M. to Mid. Clear and pleasant. Wind light from N.E, calm latter part of watch. Barometer falling slowly. Sea smooth. Moonlight. Ebb tide.

(Signed) C. K. Curtis
Lieut

Moon phase 2nd qr. S. 26 °

Examined and found to be correct

(Signed) Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro, Brazil.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW by S	NW	0-1	30.35	70	71	70		bc	Cir Cum	5 9	S	
2			SSE	NNW	1	30.35	70	71	70		b	None	10	"	
3			N	N	1	30.35	70	71	70		"	"	10	"	
4			"	E	1	30.35	69	70	69		"	"	10	"	
5			"	"	1	30.35	69	70	69		"	"	10	"	
6			"	"	1	30.35	69	70	69		"	"	10	"	
7			"	"	1	30.33	69	69	68		"	"	10	"	
8			"	"	1	30.33	69	70	69		"	"	10	"	
9			NW by N	NW	1	30.35	70	70	69		bc	Cir Cum	9	"	
10			"	Calm	0	30.37	71	72	71		"	"	9	"	
11			"	"	0	30.33	71	72	71		"	"	9	"	
Noon.			NW	"	0	30.34	72	74	72		"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	E by S	SE	2	30.30	72	74	72	bc	Cir Cum	8	S	
2	SW by W	"	2	30.27	72	74	72	"	"	8	"	
3	S	"	2	30.26	72	74	72	"	"	8	"	
4	"	"	1-2	30.25	72	74	72	"	"	8	"	
5	NNW	"	2	30.25	73	73	71	"	"	8	"	
6	SW	"	1	30.25	73	73	71	"	"	7	"	
7	SSE	Calm	0	30.25	73	73	72	"	"	7	"	
8	"	"	0	30.25	73	73	72	"	"	5	"	
9	"	"	0	30.25	73	72	71	"	"	5	"	
10	NNW	"	0	30.25	72	73	72	"	"	7	"	
11	"	"	0	30.25	71	72	71	"	"	8	"	
Mid.	"	"	0	30.25	71	71	70	"	"	8	"	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday August 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs from N.W. to East. Swung to eth ebb at 2.30.

(Signed) J. K. Cogswell
Lieut

4 to 8 A.M. Clear and warm. Light variable airs. Engaged in blacking down.

(Signed) L. P. Jerrett
Master

8 A. M. to Merid. Clear and warm. Wind light from N.W. first hour. Calm remainder of watch. Barometer rising. Sea smooth. Ebb tide.

(Signed) C. K. Curtis
Lieut.

Merid. to 4 P.M. Clear and warm. Light breeze from S.E. Sent first cutter in charge of an officer for sand.

(Signed) L. P. Jerrett
Master

4 to 8 P.M. Clear and pleasant. Wind light from S.W. Calm last half. Barometer steady. Sea smooth. Swung to flood at 5.50. By order of Comdr. David Shelly (Lds) confined in double irons for smuggling liquor on board.

(Signed) C. K. Curtis
Lieut.

8 P.M. to Mid. Clear and pleasant. Calm. At 9.50 swung to ebb tide.

(Signed) L. P. Jerrett
Master

Moon phase 2nd qr. Dec. S. 27°

Examined and found to be correct

(Signed) Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW by N	N	1	30.24	71	71	69		bc	Cir Cum	9	S		
2			"	"	1	30.22	70	71	69		"	"	9	"		
3			NNE	"	1	30.20	70	71	69		"	"	9	"		
4			N by E	"	1	30.20	70	71	69		"	"	9	"		
5			N	NE	1	30.20	70	69	68		"	"	9	"		
6			"	NNE	1	30.20	70	69	68		bcm	"	5	"		
7			N by E	"	0-1	30.22	69	68	68		"	"	5	"		
8			S by E	N by E	0-1	30.22	69	70	70		"	"	7	"		
9			NW by N	NNE	1-2	30.22	69	70	68		"	"	7	"		
10			W by N	"	1-2	30.23	70	70	69		"	"	7	"		
11			"	"	1-2	30.23	70	72	70		"	"	7	"		
Noon.			"	"	1-2	30.23	70	73	72		"	"	7	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	1650 "
Water remaining on hand fit for use at noon			2650 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	E by S	SSE	2	30.16	71	73	72	bc	Cir Cum	9	
2	S	"	3	30.14	71	73	72	"	"	9	"
3	S by E	"	3	30.12	72	73	71	"	"	9	"
4	SW by S	"	3	30.11	71	72	71	"	"	9	"
5	"	"	3	30.11	72	72	71	"	"	9	"
6	NNW	"	3	30.11	72	72	71	"	"	9	"
7	"	"	2	30.11	72	72	71	"	"	9	"
8	"	WNW	2	30.11	72	72	71	"	"	9	"
9	WSW	"	1	30.11	71	72	71	bcm	"	7	"
10	W by N	Calm	0	30.11	71	72	71	"	"	6	"
11	"	N	1	30.11	71	72	71	"	"	4	"
Mid.	NNW	"	0-1	30.11	71	72	71	"	"	5	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. S. Schley, U. S. Navy.
Thursday August 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind light from N. Barometer falling. Sea smooth. Ebb tide.

(Signed) C. K. Curtis
Lieut.

4 to 8 A.M. Clear and pleasant. Light airs varying from N.E. to N.N.W. Misty. Swung to flood at 7.30. At 7.20 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) Sam C. Lemly
Ensign

8 A. M. to Merid. Clear and pleasant. Barometer steady. Sea smooth. Engaged painting ship inside.

(Signed) L. P. Jerrett
Master

Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze from S.S.E. Swung to flood at 1.55. Painting ship inside. At 3.55 Flagship made gen. sig. 3967 and geog[raphical] 1516. Answered.

(Signed) Sam. C. Lemly
Ensign

4 to 8 P.M. Clear and pleasant. Light to gentle breeze from S.S.E. Finished painting ship inside. Swung to the flood at 6.30.

(Signed) L. P. Jerrett
Master

8 P.M. to Mid. Cloudy last two hours. Calm and light airs from W.N.W. and W. Misty. Moonlight. Swung to ebb at 11.35.

(Signed) Sam. C. Lemly
Ensign

Moon phase 2nd qr. Dec. S. 27°

Examined and found to be correct

(Signed) Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NNW	NW	1		30.12	71	72	71		b	None	10		S
2			"	"	1		30.11	71	71	70		"	"	10		"
3			"	"	1		30.10	70	71	70		"	"	10		"
4			"	"	1		30.10	70	70	69		"	"	10		"
5			"	NNW	0-1		30.08	70	70	69		"	"	10		"
6			"	"	0-1		30.08	70	70	70		bcm	Cir Cum	9		"
7			NNE	NNE	0-1		30.08	70	70	70		"	"	9		"
8			N by E	WNW	1		30.08	70	70	70		"	"	9	"	
9			SSE	NE	1		30.10	71	71	71		"	"	9	"	
10			SW by S	NNW	1		30.15	71	71	71		bcz	"	9	"	
11			W by S	"	2		30.14	71	71	72		"	"	9	"	
Noon.			NNW	"	1		30.15	72	72	72		"	"	9	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			3300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N	NE	1	30.12	75	75	74	bc	Cir Cum	9	S
2	"	"	1	30.12	75	75	74	"	"	7	"
3	N by W	Calm	0	30.08	76	78	76	"	"	3	"
4	NNW	S	1	30.08	76	78	76	"	"	2	"
5	WNW	"	2	30.07	74	76	74	"	"	2	"
6	NW by W	SSW	2	30.07	74	75	73	"	"	2	"
7	NW	"	1	30.07	74	75	74	"	Cum Nimb	1	"
8	W by N	"	1	30.10	74	75	74	"	"	1	"
9	SSE	Calm	0	30.10	74	75	74	bcz	Cir Cum	4	"
10	S	"	0	30.10	74	75	74	"	"	6	"
11	"	"	0	30.10	73	74	73	"	"	4	"
Mid.	NW	"	0	30.10	73	74	73	"	"	3	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. S. Schley, U. S. Navy.
Friday, August 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear pleasant. Light airs from N.W. Ebb tide.

(Signed) L. P. Jerrett
Master.

4 to 8 A.M. Clear and pleasant. Misty around the horizon. Light variable airs. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered. Received on board fresh provisions for crew. At 8 dressed mast heads of ship. Brazilian flag at main, in honor of Brazilian holiday. Ebb tide.

(Signed) C. B. T. Moore
Ensign

8 A. M. to Merid. Clear and hazy. Warm. Light airs to light breeze from N.E. and N.N.W. At 9.15 Brazilian iron clad "Bahia" got underway and went out. At 9.15 inspected at quarters. Unshackled port chain from mooring swivel, and shackled starboard chain to swivel. Swung to ebb at 11.45. Received in Equipment Department. 1/2 ton blacksmith coal. Hawse clear.

(Signed) Sam. C. Lemly
Ensign.

Merid. to 4 P.M. Cloudy and warm. Light airs from N.E. first two hours of watch. Sea breeze set in at 3.30. Released David Shelly (Lds) and Corpl. Thomas Jones (M.C.) from confinement; by order of Comdg. Officer. Working on main deck and poop awnings. Ebb tide.

(Signed) C. B. T. Moore
Ensign.

4 to 8 P.M. Cloudy, pleasant. Light airs to light breeze from S. and S.S.W. At 4 hove up starboard anchor. Made sails to topsails and stood up to N. & W, veering to 90 fms [fathoms] port chain. Let go starboard anchor. Shortened and furled sail. Hove in to 45 fms. port chain and put on mooring swivel. At 5.30 Flagship made gen. sig. 3985. Answered.

(Signed) Sam. C. Lemly
Ensign.

8 P.M. to Mid. Cloudy. Hazy. Pleasant. Calm. Cir. cum. clouds. At 9 swung to flood, at 11.30 swung to ebb.

(Signed) C. B. T. Moore
Ensign.

Moon's phase 2nd qr. Dec. S. 35°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW by N	WSW	1		30.10	75	75	74		bc	Cir Cum Nimb	2		S
2			N by W	Calm	0		30.10	75	75	74		o	"	0		"
3			NNW	"	0		30.10	75	75	74		"	"	0		"
4			N by W	NNE	0-1		30.10	75	75	74		"	"	0		"
5			NNW	WSW	0-1		30.06	73	75	75		bc	"	1		"
6			N by W	"	1		30.06	73	74	73		"	"	1		"
7			"	"	1		30.07	70	74	73		"	"	1		"
8			"	"	0-1		30.10	74	75	74		"	"	1	"	
9			NW by W	NW	1		30.12	74	76	75		"	"	1	"	
10			S	NNW	1		30.12	75	77	76		"	"	1	"	
11			SSW	WNW	1		30.12	75	77	76		"	"	3	"	
Noon.			W by S	"	1		30.09	76	78	77		"	"	5	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N by W	N	1	30.05	77	81	79	bc	Cir Cum	6	S
2	NNW	"	1-2	30.00	78	82	78	"	"	6	"
3	N by W	"	1-2	30.00	79	84	79	"	"	7	"
4	N	"	1-2	29.98	80	84	81	"	"	7	"
5	NNW	NE	1	29.98	81	85	83	b	None	10	"
6	"	Calm	0	29.98	81	82	83	"	None	10	"
7	"	"	0	29.96	79	81	79	"	"	10	"
8	"	"	0	29.97	79	79	79	"	"	10	"
9	N	"	0	29.97	78	79	78	"	"	10	"
10	SSE	"	0	29.97	78	78	78	"	"	10	"
11	SSW	"	0	29.98	77	78	78	"	"	10	"
Mid.	SW	"	0	29.98	77	78	78	"	"	10	"

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, August 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Pleasant. Calm and light airs from W.S.W. and N.N.E.
Ebb tide.

(Signed) Sam. C. Lemly
Ensign

4 to 8 A.M. Cloudy. Pleasant. Light airs from W.S.W. Barometer rising slowly. Sea smooth. Ebb
tide. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) W. G. Hannum
Midshipman

8 A. M. to Merid. Cloudy and warm. Light airs from N.W. to W.N.W. Sent mail to Flagship. At 10
American Steamer "City of Rio de Janeiro", left the harbor. At 10.40 the U.S.S. "Alaska", got
underway and steamed out of the harbor. Swung to flood at 9.30.

(Signed) C. B. T. Moore
Ensign.

Merid. to 4 P.M. Clear and warm. Wind light from N. Barometer falling. Sea smooth. Swung to
ebb 12.15. At 3.30 Flagship made gen. sig. 2984. Answered. Renard Emile Eugene
(W.O.Stew.) declared a deserter, he having been absent from the ship ten days without
permission.

(Signed) J. K. Cogswell
Lieut.

4 to 8 P.M. Clear and warm. Calm. Sky cloudless. Barometer commenced to rise last hour of
watch. Ebb tide.

(Signed) C. B. T. Moore
Ensign

8 P.M. to Mid. Clear and pleasant. Calm. Barometer rising slowly. Sea smooth. Tide turned
flood at 9.45.

(Signed) J. K. Cogswell
Lieut

Moon's phase 2nd qr. Dec. S. 22 °

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			N	NW	0-1	30.00	76	77	75	bc	Cir Cum	9	S		
2			"	"	0-1	30.00	76	77	75	"	"	9	"		
3			NNW	ENE	0-1	30.00	75	76	75	"	"	9	"		
4			"	"	0-1	30.00	75	76	75	"	"	9	"		
5			"	Calm	0	30.00	75	76	75	"	"	8	"		
6			"	"	0	30.00	75	75	74	"	"	8	"		
7			N	NW	0-1	30.03	75	75	74	"	"	6	"		
8			"	"	0-1	30.06	75	75	74	"	"	6	"		
9			SSW	N	0-1	30.06	75	78	75	"	"	5	"		
10			"	"	0-1	30.08	76	79	76	"	"	5	"		
11			"	"	0-1	30.07	76	78	76	o	"	0	"		
Noon.			SW by S	"	1	30.04	76	79	76	"	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	NNW	N	2	30.00	78	80	79	bc	Cir Cum	8	S
2	"	"	2	29.97	78	81	80	"	"	9	"
3	"	N by E	2	29.96	79	82	81	"	"	8	"
4	N by W	"	2	29.95	78	82	81	"	"	9	"
5	NW	N	1-2	29.96	80	81	80	"	"	8	"
6	"	"	1	29.98	80	81	81	"	"	8	"
7	"	"	1	29.96	80	82	80	"	"	8	"
8	NNW	Calm	0	29.96	80	82	80	"	"	8	"
9	N	NNW	0-1	29.99	78	78	76	"	"	9	"
10	N by W	Calm	0	30.03	76	79	76	b	None	10	"
11	S by W	SSW	4	30.07	77	77	75	bc	Cum	9	"
Mid.	SSW	"	3-5	30.09	76	76	75	"	"	7	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. S. Schley, U. S. Navy.
Sunday August 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Light airs from N.W. first two hours, and from E.N.E. rest of watch. Swung to ebb at 2.45.

(Signed) C. B. T. Moore
Ensign

4 to 8 A.M. Clear. Pleasant. Calm first part. Light airs from N.W. latter part. Cir. Cum. clouds. Riding to ebb. Received in Pay. Dept. 153 [lbs] fresh beef and 155 [lbs] vegetables for crew. At 7.30 Flagship made gen[eral] sig[nal] 3354. Answered.

(Signed) C. K. Curtis
Lieut.

8 A. M. to Merid. Clear and warm. Wind light from N. Barometer rising. Sea smooth. Sunny to flood at 8.45. At 9.45 held preliminary inspection, and at 10.00 Comdr. inspected ship and crew at quarters, immediately after, called to muster and read prayers on quarter deck. Sent party of liberty men on shore.

(Signed) J. K. Cogswell
Lieut.

Merid. to 4 P.M. Clear. Warm. Light N[orther]ly breeze from N. Swung to ebb at 12.45. French mail steamer got underway and stood out to sea.

(Signed) C. K. Curtis
Lieut.

4 to 8 P.M. Clear and warm. Wind light from N. Calm last hour. Barometer steady. Sea smooth. Ebb tide. At 5.15 Flagship made gen. sig. 2985. Answered.

(Signed) J. K. Cogswell
Lieut

8 P.M. to Mid. Calm and pleasant. Light airs from N.N.W. first hour and calm. Sea breeze from S.S.W. set in at 10.15; and blew rest of watch from gentle to moderate breeze. Swung to the flood at 9.

(Signed) C. K. Curtis
Lieut

Moon's phase 2nd qr. Dec. S. 18°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW	SW	1-4	30.11	75	75	74		bc	Cum	9	S		
2			WSW	"	1-3	30.11	75	74	74		"	"	8	"		
3			NW	W	1-2	30.11	74	73	72		"	"	8	"		
4			NW by W	"	1	30.11	74	73	72		o	"	0	"		
5			"	"	3	30.12	70	72	71		bcm	Cir Cum	8	"		
6			WNW	"	2	30.17	73	72	71		"	"	4	"		
7			"	WNW	2	30.22	73	72	71		"	"	6	"		
8			ENE	"	1	30.22	73	72	71		"	"	8	"		
9			NNE	N	1-2	30.24	75	74	73		bc	"	6	"		
10			E	"	0-1	30.25	75	74	73		"	"	6	"		
11			SSW	NE	0-1	30.25	75	75	74		"	"	7	"		
Noon.			"	"	0-1	30.25	75	75	76		"	"	5	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for use at noon		1400 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	SW by S	NNE	0-1	30.20	74	76	74	bc	Cir Cum	8	S
2	W by S	"	0-1	30.18	76	78	76	"	"	7	"
3	NW	SSW	3	30.18	75	77	75	"	"	8	"
4	"	"	3	30.17	73	76	75	"	"	9	"
5	W	S	4	30.17	71	73	72	"	"	8	"
6	SSW	"	3-5	30.17	71	72	71	bcm	Cir Cum Nimb	8	"
7	"	"	3	30.20	71	71	70	"	"	7	"
8	"	"	2	30.20	71	71	70	"	"	7	"
9	"	Calm	0	30.20	73	73	72	o	"	0	"
10	"	S by W	2	30.25	73	73	72	"	"	0	"
11	"	"	2	30.25	73	73	72	"	"	0	"
Mid.	"	SSW	3	30.25	73	73	72	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations *	0	1	2
Variation of the Compass by Amplitude observed at Sunset	0	1	2
Variation of the Compass by at	0	1	2

under the command of Commander W. S. Schley, U. S. Navy.
Monday, August 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Wind blowing fresh in puffs from S.W. first half, shifting to W. and increasing last half. Barometer steady. Sea smooth. Ship swung to ebb at 2.40.

(Signed) J. K. Cogswell
Lieut.

4 to 8 A.M. Clear. Misty. Gentle breeze to light airs from W. and W.N.W. Ebb tide. At 7.30 Flagship made general signal 3337. Answered.

(Signed) L. P. Jerrett
Master

8 A. M. to Merid. Clear. Warm. Very light airs from N. & E. Cir. Cum. clouds. At 9.30 exercised at general quarters. Time as follows viz: Cast loose 2 m[inutes] 45 sec[onds]. Secured in 3 m 15 sec. By order of Comdg. Officer Thos. Murphy (O.S.) was placed in double irons for not obeying an order and insolence. John O'Neill (O.S.2c) was released from double irons and confinement continued in single irons. Swung to flood at 9.30. Comdg. Officer imposed the following punishments. Allison Parker (Lds) extra watch every night till learns to keep forks clean. John Bullew (O.S.) dirty deck - one midwatch, extra duty. T. G. Roberts (O.S.2c) W. J. Lindon (O.S.2c) Wm. Barker (Lds) James Lestrangle (C. Smith) and John L. King (B. Mate) absent without leave.

(Signed) C. K. Curtis
Lieut

Merid. to 4 P.M. Clear and pleasant. Light airs from N.N.E. first two hours. Gentle breeze from S.S.W. last two. Swung to ebb at 2.30. At 2.40 made interrog[etory] sig[nal] 4826. Flagship made general signal 2984. Answered.

(Signed) L. P. Jerrett
Master

4 to 8 P.M. Clear. Pleasant. Moderate sea breeze from S. blowing in puffs. Cir. Cum. Nimb. clouds. Damp. T. G. Roberts (O.S.2c) returned on board. Confined T. G. Roberts (O.S.2c) in double irons, for being drunk, disorderly and jumping overboard. Wind falling light towards end of watch.

(Signed) C. K. Curtis
Lieut.

8 P.M. to Mid. Overcast. Calm first hour. Light to gentle breeze from S. W. and S.S.W. remainder of watch. Flood tide.

[no signature]

Moon's phase 3rd qr. Dec. S. 14°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro, Brazil, S.A.

Hour.	Knots. Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
		Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1		SSW	SSW	3		30.25	70	70	69		bm	Cir Cum Nimb	0	S	
2		"	"	3		30.25	70	70	69		bcm	"	1	"	
3		NNW	S	2		30.25	70	70	69		"	"	1	"	
4		"	"	1		30.25	70	70	69		"	"	1	"	
5		"	NNE	1		30.25	70	71	70		ocm	Cum Nimb	0	"	
6		"	Calm	0		30.25	70	72	71		"	"	0	"	
7		NW	"	0		30.25	70	72	71		"	"	0	"	
8		NNW	ENE	1		30.28	70	71	70		"	"	0	"	
9		WNW	Calm	0		30.30	70	71	70		o	"	0	"	
10		SSE	NNE	0-1		30.32	70	72	71		"	"	0	"	
11		S by E	"	0-1		30.32	71	72	71		"	"	0	"	
Noon.		S	E	0-1		30.30	71	73	72		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1100 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1		S	E	0-1		30.28	71	72	71		om	Cum Nimb	0	S	
2		"	S by E	0-1		30.25	71	72	71		"	"	0	"	
3		W	S	1		30.25	70	71	70		"	"	0	"	
4		NW	SSW	3-4		30.24	70	71	70		"	"	0	"	
5		NW by N	SW	2		30.24	70	71	70		"	"	0	"	
6		NNW	"	2		30.24	70	71	70		"	"	0	"	
7		NW	"	1		30.24	70	72	71		"	"	0	"	
8		WNW	N	1		30.23	71	72	71		o	"	0	"	
9		SSW	Calm	0		30.23	71	72	71		"	"	0	"	
10		S by E	W by S	1		30.20	71	72	71		"	"	0	"	
11		S	NNW	1		30.20	71	72	72		"	"	0	"	
Mid.		SSW	Calm	0-1		30.20	71	72	72		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, August 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Damp. Gentle S[outher]ly breeze dying out towards end of watch. Cir. Cum. Nim. clouds. At 2 swung to ebb. Obscured moonlight.

(Signed) C. K. Curtis
Lieut.

4 to 8 A.M. Overcast and misty. Light airs first hour from N.N.E. calm and light airs afterwards from E.N.E. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered. Received fresh provisions for crew. Followed motions of Flagship and hoisted colors as American ship left the harbor. Ebb tide.

(Signed) Sam. C. Lemly
Ensign.

8 A. M. to Merid. Overcast. Pleasant. Calm and light airs from N.N.E. and E. At 9.15 inspected at quarters. Exercised at company drill and dress parade. Swung to flood at 9.45.

(Signed) L. P. Jerrett
Master

Merid. to 4 P.M. Overcast and misty. Damp. Slight airs first three hours E. to S, last hour gentle to moderate breeze from S.S.W. At work on new awnings. At 2.30 slack water. Swung to ebb at 3.20.

(Signed) Sam. C. Lemly
Ensign

4 to 8 P.M. Overcast. Misty. Slight breeze to light airs from S.W. and N. Ebb tide. At 5.20 Flagship made gen. sig. 2985. Answered. Slack water at 7.30.

(Signed) L. P. Jerrett
Master

8 P.M. to Mid. Overcast and damp. Calm first hour, light airs rest of watch from W. by S. to W.N.W. By order of Comdr. Ellison Parker (Lds) stood four hours extra watch. Swung to flood at 9.30.

(Signed) T. D. Griffin
Midshipman

Moon's phase 3rd qr. Dec. S. 8 °

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro, Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			S by W	NW	1		30.30	70	72	70		o	Cir Nimb	0	L	
2			S	Calm	0		30.30	70	72	70		"	"	0	"	
3			SW by W	"	0		30.30	70	72	70		"	"	0	"	
4			N by W	"	0		30.30	70	72	70		"	"	0	"	
5			NNW	"	0		30.23	70	71	70		"	Cir Cum Str	0	"	
6			N by W	"	0		30.23	70	70	70		bcm	"	3	"	
7			"	"	0		30.24	69	70	70		"	"	4	"	
8			W	W	0-1		30.25	70	70	70		"	"	4	"	
9			WSW	Calm	0		30.25	71	71	70		"	"	5	"	
10			S	E	1		30.27	71	72	71		"	"	7	"	
11			S by E	SSE	3		30.27	71	73	72		"	"	8	"	
Noon.			S	"	2		30.27	72	73	72		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		800 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			S	S	2		30.23	72	75	73		bc	Cir Cum Str	8	L	
2			S by W	SSW	3		30.20	72	73	72		"	Cum Nimb	2	"	
3			SW by W	SSW	3-4		30.20	72	72	70		"	"	2	"	
4			SSW	S	3-4		30.20	72	71	70		o	"	0	"	
5			NW	SSW	3-5		30.20	71	71	70		om	"	0	"	
6			N	W	0-1		30.20	71	71	70		"	"	0	"	
7			NW	"	0-1		30.22	71	71	70		on	"	0	"	
8			WNW	"	3-5		30.22	71	71	70		"	"	0	"	
9			SW by W	"	2-4		30.22	71	70	69		od	"	0	"	
10			SW by S	"	2-5		30.24	69	69	69		oqp	"	0	"	
11			SSW	"	3-5		30.24	69	69	68		oqr	"	0	"	
Mid.			"	"	2-4		30.25	69	68	68		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

observed at Sunset

at

*

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday August 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Pleasant. Light airs from N.W. and calm. Swung to the ebb at 3.15. Long swell from S. and E.

(Signed) L. P. Jerrett
Master.

4 to 8 A.M. Cloudy and misty. Calm first three hours. Light airs from W. last hour of watch. Barometer rising slowly. Sea smooth. Ebb tide. At 7.30 Flagship made gen[eral] sig[nal] 3351. Answered.

(Signed) C. B. T. Moore
Ensign

8 A. M. to Merid. Cloudy and pleasant. Misty. Calm first hour. Light breeze remainder of watch from E. to S.S.E. At 9.15 inspected at quarters. Working on new awnings. Swung to flood at 9.45.

(Signed) Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant first hour, overcast last part. Light to moderate breeze from S. & S.S.W. Flood tide. Ship rolling easily. Barometer steady.

(Signed) C. B. T. Moore
Ensign

4 to 8 P.M. Overcast. Misty first part, ugly threatening weather latter part of watch. Gentle to stiff breeze from S.S.W. first hour, light airs increasing to stiff breeze from West rest of watch. Ebb tide.

(Signed) Sam. C. Lemly
Ensign

8 P.M. to Mid. Weather cloudy and rainy. Wind fresh in squalls from W. Barometer rising slowly. Long swell from S. & W. Flood tide.

(Signed) C. B. T. Moore
Ensign.

Moon's phase 3rd qr. Dec. S. 3°

Examined and found to be correct

(Signed) Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			S by W	SSW	3-5		30.29	68	67	67	om	Nimb	0	S	
2			"	"	3-6		30.29	68	65	65	"	"	0	"	
3			SW	"	3-5		30.29	68	65	65	omq	"	0	"	
4			WNW	WSW	3-6		30.29	68	65	65	"	"	0	"	
5			NNW	"	3-4		30.29	68	65	65	"	"	0	"	
6			NNW	"	3		30.29	68	65	65	"	"	0	"	
7			"	"	3		30.30	66	64	65	o	"	0	"	
8			"	"	2		30.33	66	64	65	our	"	0	"	
9			W by S	"	2		30.38	66	64	65	omd	"	0	"	
10			WSW	"	2		30.39	65	65	65	om	"	0	"	
11			S	N by W	2		30.38	65	65	65	"	"	0	"	
Noon.			S by W	"	2		30.37	65	65	65	"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			500 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S	NW	2	30.34	66	66	65	od	Nimb	0	S
2	"	S by W	4	30.33	66	66	67	o	"	0	
3	SSW	"	2	30.31	67	66	67	"	"	0	
4	WNW	"	2	30.32	67	67	66	"	"	0	
5	NNW	"	1	30.30	67	67	66	"	"	0	
6	"	"	0-1	30.32	67	67	66	"	"	0	
7	NW by W	Calm	0	30.32	67	67	66	"	"	0	
8	WNW	"	0	30.33	67	66	66	"	"	0	
9	SSW	"	0	30.33	68	66	66	"	"	0	
10	SSE	"	0	30.33	68	66	66	bc	"	2	
11	S	W	1-2	30.33	68	66	66	"	"	2	
Mid.	S by W	"	1-2	30.33	67	66	66	"	"	1	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday, August 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and disagreeable. Rainy during whole of watch. Squally. Gentle to fresh breeze from S.S.W. to W.S.W. Ruling between wind and ebb tide.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Ugly. Rainy. Squally. Moderate W.S.W[ester]ly breeze. Blowing in very fresh gusts. First part of watch slack water at 7.45. Received in Pay. Dept 155 lbs beef and 155 lbs vegetables.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy and unpleasant. Drizzling rain first hour. Wind light to gentle from W.S.W. first half from N. by W. last half of watch. Barometer rising. Long swell from S. and E. At 9.15 inspected at quarters. By order of Comdg. Officer Thomas Murphy O.S. was released from confinement and the following punishments assigned. F. C. Jones O.S. for disrespect to Officer of deck confined in double irons F. Tilghman (O.S.2c) for disregarding repeated orders 5 days on quarter deck. Slack water at 11.15

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast Light N.W. breeze first hour. Light S[outher]ly sea breeze remainder of watch. French freight steamer came in and French mail steamer left harbor. Swung to ebb at 4.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Weather overcast. Wind light from S. by the first half. Calm last half of watch. Cir. Cum Nimb clouds. At 5.30 swung to ebb. Flag Ship made general signal 2985.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Cool. Damp. Calm first part. Light W[ester]ly airs latter part of watch. Cir. Cum Nimb clouds. At 8.30 swung to flood. Obscured moonlight.

Signed J. K. Cogswell
Lieut

Moon's phase 3rd qr. Dec. N. 2°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	Calm	0	30.30	66	66	65		bc	Cir Cum Nimb	1	S		
2			S	"	0	30.30	66	66	65		"	"	1			
3			WNW	"	0	30.30	66	66	65		"	"	1			
4			NW	"	0	30.32	67	66	65		"	"	1			
5			N	"	0	30.26	67	65	65		"	"	2			
6			N by W	N	0-1	30.26	67	64	64		bcm	"	2			
7			N	WNW	0-1	30.28	67	65	64		"	"	1			
8			NW	N	2	30.28	67	68	64		"	"	1			
9			W	"	3	30.30	67	66	66		"	"	6			
10			SSE	"	2	30.30	67	67	66		bc	"	6			
11			NE by E	N by E	1	30.30	67	67	66		"	"	8			
Noon.			"	"	1	30.30	67	67	66		"	"	8			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water			2600 "
during the preceding 24 hours			3000 "
Water remaining on hand fit for use at noon			
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.												
1	South	S by W	3	30.25	67	68	67	bc	Cir Cum Nimb	7	S	
2	"	"		30.22	68	68	67	"	"	5	"	
3	"	"		30.21	68	68	67	"	"	2	"	
4	"	"		30.20	68	68	68	"	"	2	"	
5	"	"		30.20	68	68	68	"	"	4	"	
6	"	"		30.20	67	67	66	"	"	6	"	
7	"	"		30.20	67	67	66	"	"	6	"	
8	"	"		30.20	67	67	66	"	"	6	"	
9	"	"		30.20	67	67	66	"	"	0	"	
10	"	"		30.20	67	67	66	"	"	5	"	
11	"	"		30.20	67	67	66	"	"	4	"	
Mid.	"	"		30.20	67	67	66	"	"	2	"	

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Friday, August 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Calm Bar[ometer] steady. Long swell from S. and E. swung to ebb at 2.30.

Signed C. B. T. Moore

From 4 to 8 A.M. Cloudy. Misty. Pleasant. Calm and light airs from N. and N.N.W. Ebb tide. At 7.30 Flag Ship made general signal 3351. Received fresh provisions for crew. Received 2600 gals fresh water.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Warm. Light N[ortherly] breeze. Cir. Cum Nimb clouds. At 8.45 made interrog[atory] 5455. Flag Ship answered 904. At 9 loosed sail to day. At 9.30 exercised at fire quarters. At 10.15 swung to flood. English str [steamer] (P.S.N.C.) left harbor. At work on new awnings.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Cloudy. Pleasant. Gentle breeze from S. by W. Flood tide. At 3.25 made interrog. 4826. Flag Ship answered 904. At 3.30 Flag Ship made general signal 2984. At 12.15 by order of Comdr. Chief Eng. P.A. Rearick was suspended from duty for intoxication to await action of Comdr. in Chief.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy. Pleasant Moderate sea breeze from S. by W. Cir. Cum Merid clouds. Swung to ebb at 5.15. By order of Comdr. Frank Stailer (O.S.) was placed in double irons for attempting to smuggle liquor in boat. Slack water at 7.15.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy. Pleasant. Cool. Light breeze to light airs from W.S.W. and W.N.W. Flood tide.

Signed C. K. Curtis
Lieut

Moon's phase 3rd qr. Dec. N. 8 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	NW	2		30.24	65	67	67		bc	Cir Cum Nimb	2		S
2			S by W	WNW	2		30.24	65	67	67		"	"	1		
3			NW by S	"	2		30.22	65	67	67		"	"	3		
4			WSW	"	2		30.22	65	66	66		od	"	0		
5			NNW	W	2		30.22	65	64	64		bc	"	2		
6			N by W	"	1		30.22	65	65	65		op	"	0		
7			NNW	WNW	2		30.22	65	64	64		bcl	"	1		
8			"	"	2		30.24	65	64	64		bc	"	1		
9			WSW	SW	4		30.26	66	66	65		bcq	"	3		
10			SSW	"	4		30.31	67	67	66		"	"	4		
11			"	"	3-6		30.31	67	68	67		"	"	5		
Noon.			"	SW by S	3-6		30.32	67	68	67		"	"	4		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for use at noon			2700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by W	SW	3-5	30.32	67	68	67	bcq	"	5	S
2	SW	WSW	3-6	30.32	68	69	68	"	"	6	
3	"	SSW	2-5	30.32	68	69	68	"	"	6	
4	"	SW	2-5	30.30	69	69	67	"	"	8	
5	SW by W	"	2-4	30.30	68	67	65	"	"	6	
6	NW	"	2	30.32	68	67	65	"	"	8	
7	NNW	WSW	2	30.32	68	67	65	"	"	9	
8	"	"	1	30.34	68	66	65	"	"	9	
9	West	"	1	30.34	66	66	65	"	"	9	
10	SW by S	"	2	30.34	64	66	65	"	"	3	
11	SW	"	2	30.34	64	66	65	"	"	1	
Mid.	"	"	2	30.34	64	66	66	"	"	1	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Light land breeze from W.N.W. Obscured moonlight
Swung to ebb at 1. Drizzling rain last half of watch.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Cloudy and cool. Frequent passing showers. Light airs to light breeze from W. to
W.N.W. At 7.30 Flag Ship made general sig[nal] 3351. Ebb tide

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy. Pleasant. Light to fresh breeze from S.W. and S.W. by S. blowing in
squalls. Swung to flood at 10.30. By order of Comdr. F. C. Jones (O.S.) was released from
confinement and John Hall (O.S.2c) was released from confinement in irons and made a prisoner at
large to await action of Comdr in Chief on sentence of summary Court Martial. Enlisted Gilbert Leeds
Lds for the cruise of Essex from 11th instant inclusive. Gilbert Leeds (Lds) rated (W.A.S.) from 12th
instant inclusive. Lieut J. K. Cogswell left the ship on leave of absence

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy and pleasant. Squally. Gentle to stiff breeze varying in direction from
W.S.W. to S.S.W. Flood tide.

Signed L. P. Jerrett
Lieut

From 4 to 8 P.M. Clear. Cool and pleasant. Light breeze to light airs from S.W. and W.S.W. Swung to
flood at 5.45.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Cloudy. Cool. Disagreeable. Passing showers of rain. Light airs to light breeze
from W.S.W. Swung to flood at 9.30. Moon rose at 10. Ship rolling easily.

Signed L. P. Jerrett
Master

Moon's phase 3rd qr. Dec. N. 13°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW by S	NW	0-1		30.34	65	65	64		bc	Cum Nimb	4		S
2			"	"	1		30.34	65	65	64		"	"	6		
3			S by W	WNW	0-1		30.34	65	65	64		"	"	3		
4			SW	NW	1		30.34	65	65	64		"	"	2		
5			NW by N	"	1		30.30	63	64	64		"	"	2		
6			"	"	1		30.31	64	62	62		"	"	1		
7			NNW	"	1		30.33	63	61	61		or	"	0		
8			"	"	1		30.35	64	63	63		bcp	"	3		
9			"	NNW	1		30.36	65	64	64		bc	"	6		
10			SW	E	0-1		30.38	66	65	65		"	"	7		
11			S by E	NE	2		30.38	66	67	66		"	"	4		
Noon.			"	Calm	0		30.35	66	68	67		"	"	4		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2400 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S	Calm	0	30.33	67	69	68	bc	Cir Cum	5	S
2	S by E	SE	1-2	30.31	67	69	68	"	"	7	
3	"	"	1-2	30.30	67	70	69	"	"	6	
4	S	"	1-2	30.30	68	70	69	"	"	9	
5	"	S	2	30.28	69	70	69	"	"	9	
6	"	SSW	2	30.28	67	68	67	"	"	10	
7	S by W	SW	3	30.28	67	68	67	"	"	10	
8	NW	S	2	30.28	60	68	67	"	"	10	
9	NNW	SE	2	30.28	67	67	67	"	"	10	
10	S by W	"	2	30.26	67	67	67	"	"	10	
11	S	"	1-2	30.26	67	67	67	"	"	10	
Mid.	S by W	NE	6	30.26	67	67	67	"	"	10	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday August 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Bright moonlight. Light airs from N.W. and W.N.W. Flood tide.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Weather cloudy. Rainy during portion of watch Light airs from N.W. Bar[ometer] rising. Sea smooth. At 7.30 Flag Ship made general sig[nal] 3350.

Signed Saml C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy and pleasant. Light variable airs. Calm last hour. At 10 Comdg. Officer inspected ship and crew at quarters. Afterwards read prayers. John Magee (2cT) M. F. O'Donnell (P.M.) Geo. L Arlans (P.M.) and J. V. Marion (O.S.2c) absent from the ship without permission. By order of Comdr. T. Hunter (O.S.) was released from confinement. L. W. Hellen (O.S.) ran from the whale boat while on duty. Swung to flood at 10.30

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Partially cloudy. Pleasant. Calm first hour. Light sea breeze remainder of watch. Bar. falling. Sea smooth. Sent visiting party to Harford and [unreadable] Italian steamer came in from S.

Signed Sam. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy and pleasant. Light to gentle breeze from S. to S.W. Flag Ship made general signal 2985. James V. Marion (OS.2c) returned on board 9 1/2 hours overtime. Ship rolling easily Ship swung to ebb at 3.15.

Signed L. P. Jerrett
Lieut

From 8 P.M. to Mid. Clear and Damp. Wind light from S. first half from N.E. last half of watch. Bar. falling slowly. Sea smooth. Swung to flood at 9.15. Moon rose at 10.45. L.W. Hellen (OS) returned on board.

Signed Saml. C. Lemly
Ensign

Moons phase 3rd qr. Dec. N. 17 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			SW	Calm	0	30.26	67	65	65		bcm	None	10	S	
2			"	NNE	0-1	30.26	67	65	64		"	"			
3			S	"	0-1	30.25	66	65	64		"	"			
4			SSE	"	0-1	30.23	65	65	64		"	"			
5			"	"	0-1	30.23	65	65	64		"	"			
6			N by W	"	1	30.23	65	64	64		"	"			
7			NNW	NNW	1	30.25	65	64	64		"	"			
8			"	"	1	30.25	65	65	62		"	"			
9			"	"	1	30.24	64	63	63		"	"			
10			W	"	1	30.25	65	65	65		"	"			
11			S	"	0-1	30.24	65	65	65		"	"			
Noon.			"	"	1	30.23	66	64	66		"	"			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		2000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			SSE	SE	3	30.20	67	68	67		bc	Cir Cum	8	S	
2			S	SSE	3	30.17	68	69	67		"	Nimb	9		
3			S by E	S	3	30.16	69	70	67		"	"	8		
4			"	S	4	30.16	69	70	68		"	"	8		
5			S	SE	2-3	30.16	70	71	69		"	"	8		
6			"	"	2-3	30.16	70	71	70		"	"	8		
7			SE	S	2	30.15	70	70	69		"	"	9		
8			N by W	"	0-1	30.15	70	70	69		"	"	9		
9			N	NE	1	30.17	70	70	69		"	"	9		
10			"	"	0-1	30.17	69	70	69		"	"	9		
11			S	Calm	0	30.17	69	69	69		"	"	9		
Mid.			"	"	0	30.17	69	69	69		"	"	9		

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday August 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool. Calm first hour. Light airs rest of watch from N.N.E. Flood tide. Ship rolling easily.

Signed L. P. Jerrett
Master.

From 4 to 8 A.M. Cloudy. Damp. Light airs from N.N.E. shifting to N.N.W. At 5.30 swung to ebb. At 7.30 Flag Ship made general signal 3351. Large Italian steamer left the harbor. Receiving in Pay. Dept. fresh provisions for crew.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy and misty first part. Clear and pleasant latter part. Light airs from N.N.W. Barometer falling slowly. Sea smooth. At 9 made interrogatory sig[nal] 5455. Flag Ship ans[wered] 904 Ans and loosed sail. At 9.15 exercised at general quarters. Time of casting loose Eng. Div. 30 s[econds]. Marines 35 sec. Nav. 35 sec. Pdr [Powder] 2 m[inutes] 30 sec. 2nd Div. 3 minutes. 1st Div. 4 m 30 sec. Secured in 3 m 30 sec. By order of Comdr L. W. Hellen (O.S.) was placed in solitary confinement on bread and water for jumping from boat and Herman Meyer (OS.2c) was placed in double irons to await trial by Court Martial for smuggling liquor. The following punishments were awarded T. G. Roberts (O.S) 2 hrs extra duty and Elison Parker (Lds) 1 extra watch. P.S.N.C. Steamer left the harbor. Swung to flood at 10.30. Received in Equip Dept 120 fms [fathoms] 3 inch manila

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Pleasant. Moderate sea breeze from S. At 3.25 Flag Ship made general signal 2984. Answered. At 3.50 made interrog[atory] signal 4826. Flag Ship answered 904. Furled sail. Riding to flood.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Wind light from S. and S.E. Bar. falling slowly. Sea smooth. Swung to ebb at 7.30. At 5.50 Flag Ship made prep sig. 5040. Ans[wered]. Sundown mustered at quarters and served out clean hammocks. An American bark came in and anchored.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Damp. Light N.E. airs first part. Calm latter part of watch. Cir Cum clouds. At 10.30 swung to flood.

Signed C. G. T. Moore
Ensign

Moons phase 3rd qr. Dec. N. 21°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1		W by N	WNW	1	30.18	68	69	68		bc	Cum Nimb	9	S			
2		NNW	"	1	30.13	67	68	68		"	"	9				
3		NW	"	1	30.13	67	68	67		"	"	9				
4		W	Calm	0	30.15	67	68	67		"	"	9				
5		SE by S	NE	1	30.15	65	68	67		"	"	7				
6		NE	NNE	2	30.15	66	65	65		bcm	"	2				
7		N by E	"	1	30.15	65	65	65		"	"	3				
8		NW	NNW	1	30.15	65	63	65		"	"	1				
9		"	NW by N	2	30.18	65	64	64		S	"	1				
10		NE	NNW	2	30.18	66	66	66		bcp	"	4				
11		"	N by W	3	30.20	66	67	66		"	"	6				
Noon.		S	"	3	30.20	66	67	66		"	"	8				

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.												
1	NE by N	Calm	0	30.15	68	69	68	bc	Cum	8	S	
2	SE by S	SSE	3	30.14	68	70	68	"	"	9		
3	S	S	3	30.13	70	72	70	"	"	9		
4	"	"	3	30.12	71	72	71	"	"	9		
5	"	"	3	30.12	72	72	71	"	"	9		
6	S by W	"	3	30.10	71	72	71	"	"	9		
7	SW	"	2	30.10	71	72	71	"	"	9		
8	N	Calm	0	30.10	71	72	71	"	"	9		
9	N	ENE	1	30.10	71	72	71	"	"	9		
10	N by W	N	1	30.15	71	71	71	"	"	9		
11	SSW	NW	1	30.15	70	71	70	"	"	9		
Mid.	SSE	"	1	30.15	70	71	70	"	"	9		

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday August 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and cool Wind light from W.N.W. Calm last hour.
Bar[ometer] falling. Sea smooth. Ebb tide Bright moonlight

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and foggy. Wind light from N.N.E. and N.N.W. Swung to ebb at 6.15.
At 7.30 Flag Ship made general signal 3351. At 7.45 French Gunboat "Bniat" came in and
anchored Received fresh provisions for crew.

Signed James K. Cogswell
Lieut

From 8 A. M. to Merid. Foggy and damp first half. Clear last two hours. Light airs from N.N.W. to
moderate breeze from N.W. At 9.15 mustered at quarters after which exercised Companys A
and B at small arms. Riding to the ebb.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear. Hazy. Calm last hour. Gentle breeze from S.S.E. and S. remainder
of watch. Flood tide By order of Comdr. John W. Powers (Sea) and Wm. G. Norwood (Sea)
were rated Cpts Tops from August 1st 1878. Received in Equip Dept 200 yds cotton canvas
No. 4, 400 yds No. 6 cotton canvas, 14 lbs beeswax and 18 lbs cotton twine and 4 [unreadable].
In Construction Dept. 12 lbs 6^d iron cut nails, 15 lbs 6^d cut nails, 20 lbs 10^d cut nails.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Calm. Hazy. Light sea breeze from S. Cum clouds. At 5.15 Flag Ship made
general signal 3918. At 5.25 she made general signal 2985. At sunset went to quarters and
turned in clean hammocks. Comdg. Officer of French Gunboat "Bniat" called on Comdg. Officer
At 7.30 swung to ebb.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Clear. Hazy. Light variable airs. Swung to flood at 11.15 At 10 released L.
W. Hellen (OS) from confinement.

Signed J. K. Cogswell
Lieut

Moons phase 3rd qr. Dec. N. 25°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			N	North	1		30.69	70	69		bcm	Cum Nimb	9	S	
2			N by W	"	1		30.69	67	68		"	"	9		
3			"	"	1		30.69	67	68		"	"	9		
4			"	"	1		30.68	67	67		"	"	9		
5			SSW	"	1		30.68	69	68		"	"	9		
6			SW	"	1		30.68	68	68		"	"	3		
7			W by N	NW	1		30.67	67	67		oz	"	0		
8			NNW	"	1		30.66	65	65		"	"	0		
9			N by W	NNW	1		30.66	65	65		p	"	0		
10			NNW	"	1		30.66	67	67		"	"	4		
11			NW by N	N	1		30.65	68	69		bcp	"	3		
Noon.			SSW	"	1		30.65	69	69		"	"	6		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1350 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	N	North	1	30.12	70	70	70	bcm	"	7	S
2	"	Calm	0	30.12	70	72	71	"	"	8	"
3	N by W	SE	0	30.10	73	74	73	"	"	8	"
4	"	SSE	1	30.10	73	74	73	"	"	8	"
5	SSW	SSW	2	30.07	73	75	73	"	"	8	"
6	S by W	"	2	30.06	73	74	73	"	"	8	"
7	S	South	3	30.07	73	74	73	"	"	7	"
8	SE by S	"	1	30.08	73	73	72	"	"	8	"
9	N	Calm	0	30.10	72	72	72	"	"	9	"
10	NNW	"	0	30.10	72	72	71	"	none	10	"
11	"	"	0	30.10	72	72	71	"	"	10	"
Mid.	SSW	WNW	1	30.10	72	72	71	"	"	10	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday August 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Damp. Light sea breeze from N. Cir Cum clouds.
Moon rose at 12.10. Riding to ebb.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear first half of watch. Cloudy and overcast rest of watch. Foggy Light airs
from N. and N.W. Swung to flood at 5 and to ebb at 6.30.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy and foggy. Light airs from N.N.W. and N. Ebb tide slack water at
11.15. At 8.30 Flag Ship made general signal 3351. Answered. At 9 mustered at quarters.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Clear and pleasant. Misty around horizon. Light airs from N. first hour
afterwards calm. Sea breeze at 3.30 At 2.30 Called all hands to muster. John Hall Jr. was
brought to the mast and findings and sentence of Summary Court Martial were read in his case.
Guilty Sentence deprivation of liberty on shore on foreign station for one year and extra duty for
six months. Above were remitted by Comdg. Officer to the following to be deprived of liberty on
foreign station for six months and extra duty for three months. The proceeding findings and
sentence were approved by E. T. Nichols Rear Admiral Comdg U.S. Naval Forces of S. A.
Station the sentence as [unreadable] was carried into execution. Herman Meyer (O.S.2c) was
furnished with a copy and specification of charges preferred against him. Flag Ship made
general signal 2985. Swung to ebb at 2.45.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear. Misty. Pleasant. Gentle breeze to light airs from S.S.W. and S. Swung
to flood at 4.30.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Clear and pleasant. Misty around horizon. Damp. Calm first three hours.
Light airs last hour from W.N.W. Swung to flood at 8.30 and to ebb at 11.15.

Signed C. K. Curtis
Lieut

Moons phase last qr. Dec. N. 27 °

Examined and found to be correct

Signed Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SE by S	NNW	1	30.10	71	72	71		bcm	Cum	9	S	
2			N by W	"	0-1	30.10	71	72	71		"	"	9		
3			"	Calm	0-1	30.10	70	71	70		"	"	9		
4			"	NNE	1	30.10	71	71	70		"	"	7		
5			NNW	WNW	1	30.09	69	68	68		"	"	7		
6			S	"	1	30.10	68	68	68		"	"	7		
7			"	"	0-1	30.12	67	67	67		"	"	7		
8			SW	"	1	30.13	67	67	67		"	"	5		
9			N	North	1	30.13	67	68	67		"	"	5		
10			"	"	1	30.15	68	68	68		"	"	3		
11			"	"	1	30.15	68	70	70		"	"	6		
Noon.			NNE	NNE	1	30.15	68	71	70		"	"	7		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		350 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for use at noon		1000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	NW	S by W	1	30.10	71	73	72	bcm	Cum	8	S
2	E by N	"	1	30.07	71	73	72	"	"	8	
3	"	"	2	30.06	71	73	72	"	"	8	
4	North	"	1	30.06	71	73	72	"	"	8	
5	SSW	SSW	1	30.06	71	73	72	"	"	8	
6	"	"	1	30.06	72	73	72	"	"	8	
7	South	"	2	30.07	72	73	71	"	"	8	
8	SSW	"	2	30.07	72	73	71	"	"	8	
9	SW	"	1-2	30.07	72	73	71	"	"	7	
10	NNW	N	0-1	30.07	71	72	70	"	"	7	
11	N by E	"	1-2	30.07	71	71	70	"	"	7	
Mid.	NE	"	1-2	30.07	71	71	70	"	"	6	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday August 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Misty. Calm and light airs from N.N.W. and N.N.E. Swung to ebb at 2.45.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Misty around horizon. Light airs from W.N.W. Bar[ometer] rising Sea smooth. Swung to flood at 5.30. At 7.30 Flag Ship made general signal 3351. Answered. Received in Equipt. Dept. 1 spare anchor and stock (1900 lbs)

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy but pleasant. Hazy. Light airs from N. and N.N.E. At 9.15 inspected at quarters. Exercised Companies A & B at single sticks. Tide turned ebb at 8.45.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Misty. Wind light from S. by E. Barometer falling. Sea smooth. Ebb tide. Received in Construction Dept. 12 ash oars.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Clear and pleasant. Light airs to light breeze from S.S.W. At 5.30 Flag Ship made general signal 2985. Ans[wered] Swung to ebb at 5.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Weather clear and damp. Misty. Wind light from S.S.W. and N. Bar. steady. Sea smooth. Swung to ebb at 10.15.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec. N. 27 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW	N	1	30.07	70	72	69		bcm	Cum	9	S		
2			N	"	1	30.06	70	78	69		"	"	9	"		
3			N by W	"	2	30.06	70	69	68		"	"	9	"		
4			NNW	NW	2	30.06	70	67	67		"	"	9	"		
5			"	N	1	30.09	70	67	67		"	"	9	"		
6			"	"	1	30.09	67	67	67		"	"	9	"		
7			S by W	"	3	30.09	67	67	67		P	"	8	"		
8			"	"	3	30.12	67	67	67		"	"	8	"		
9			W	"	2-3	30.13	67	67	68		bcm	"	9	"		
10			NW	"	2-3	30.14	68	70	68		"	"	9	"		
11			N by W	"	2	30.13	70	71	70		"	"	9	"		
Noon.			NE	"	1-2	30.10	71	73	71		"	"	9	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for use at noon		600 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	N	NE	2	30.08	73	75	74	bcm	"	4	S
2	N by E	"	2	30.05	73	76	75	"	"	5	"
3	N	"	0-1	30.03	74	77	76	"	"	5	"
4	"	"	0-1	30.03	75	78	77	"	"	5	"
5	NNW	"	0-1	30.03	75	80	77	"	"	7	"
6	SW	"	0-1	30.03	75	80	78	"	"	8	"
7	"	"	0-1	30.03	76	77	76	"	"	8	"
8	S	"	0-1	30.05	75	77	76	"	"	8	"
9	SSW	Calm	0	30.05	75	76	75	"	"	9	"
10	W	"	0	30.07	74	76	74	"	"	9	"
11	"	"	0	30.07	73	75	74	"	"	9	"
Mid.	N	"	0	30.07	73	74	73	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday August 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Damp. Misty around horizon. Light airs to light breeze from N. to N.W. Ebb tide.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Foggy. Light damp breeze from N. At 7 swung to flood. At 7.30 Flag Ship made general signal 3351. Received in Pay. Dept. fresh provisions for crew. In Equip. Dept. 10 lbs bellows leather.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear. Warm. Misty around horizon Bar[ometer] falling. Sea smooth Ebb tide. At 9 exercised at fire quarters. Time as follows 1st Div. 25, 2nd Div. 40 sec[onds], Pdr [Powder] 35 sec, Nav. 35 sec, Marines 30 sec. Secured in 1 m[inute] 30 sec. At 10 Summary Court Martial of which Lieut C. K. Curtis was senior officer and Master L. P. Jerrett and Ens. S. C. Lemly U.S.N. were members convened for the trial of Herman Meyer (O.S.2c) on charges preferred by Comdr W. S. Schley U.S.N. At work on new poop awning. At 11.45 Court took a recess until 1 P.M.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear. Warm. Light airs from N.E. Cir. Cum clouds. Summary Court met at 1. At 2.30 Summary Court adjourned to await action of revising authority. Received on board from U.S.S. "Hartford" George Boyce (Seargt. Mar). At 3.25 Flag Ship made general signal 2984. Riding to ebb. Men at work on new awnings.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Pleasant. Light airs from N.E. Barometer rising slowly. Sea smooth. Swung to flood at 5.30. At 5 called all boats away and exercised at boat drill.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Damp. Calm. Cir. Cum clouds. At 11.10 swung to ebb.

Signed Sam. C. Lemly
Ensign

Moons phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NW by N	NW	0-1	30.00	73	73	72		bc	Cir Cum	8	S		
2			NNW	"	0-1	30.05	73	73	72		"	"	8	"		
3			"	"	0-1	30.04	72	72	71		"	"	8	"		
4			"	"	0-1	30.04	72	72	71		"	"	8	"		
5			N by W	SE	0-1	30.04	71	72	71		"	"	7	"		
6			NW by W	NNE	1	30.07	71	72	71		"	"	8	"		
7			SSE	"	0-1	30.10	70	72	71		"	"	6	"		
8			S by E	"	0-1	30.10	71	72	72	bcm	"	"	0	"		
9			S	"	0-1	30.15	71	72	72	"	"	"	6	"		
10			SE by S	Calm	0	30.18	72	72	72	"	"	"	6	"		
11			SE	"	0	30.18	72	72	72	"	"	"	6	"		
Noon.			ENE	"	0	30.16	72	70	72	"	"	"	6	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			350 gallons.
Water		during the preceding 24 hours	2730 "
Water remaining on hand fit for use at noon			2658 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by E	NE	0-1	30.15	73	75	74	"	"	5	S
2	W	SSW	2-4	30.13	73	76	73	"	"	4	"
3	NNW	S by W	4	30.13	73	75	73	"	"	3	"
4	NW by W	SSW	3	30.13	73	75	73	"	"	3	"
5	NNW	"	3	30.15	73	74	73	"	"	4	"
6	SSW	"	3	30.15	72	73	71	"	"	3	"
7	"	"	3	30.15	73	73	71	"	"	4	"
8	S by E	"	3	30.17	73	73	71	"	"	7	"
9	SSE	NNE	1	30.17	73	74	72	"	"	4	"
10	S	Calm	0	30.17	73	74	72	"	"	3	"
11	"	"	0	30.18	73	74	72	"	"	3	"
Mid.	SW	"	0	30.18	73	74	72	"	"	2	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Damp. Light airs from N.W. Bar[ometer] falling Sea smooth.
Ebb tide.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Sky clear. Misty. Slight airs from S.E. and N.N.E. Swung to flood at 6.40. At
7.30 Flag Ship made general signal 3351. Ans[wered].

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Hazy. Warm. Cir. Cum clouds. At 9.40 Flag Ship made signal to
Essex 3094. Received on board 2730 gals fresh water. Bar. coat for 3 lbs cases tacks 2 rules
10 gals shellac. By order of Comdr. John Kirk, Michl. Wogen, James Gillespie, W. E.
Huggenbottom and Jns. W. Scott (O.S.) rated seaman from the 1st instant inclusive Riding
across the harbor. Sent liberty party on shore until 7 A.M. to-morrow.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Misty. Pleasant. Light airs from N.E. first our. Light to moderate
breeze from S.S.W. remainder of watch. Ebb tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Hazy. Warm. Gentle sea breeze blowing in gusts from
S.S.W. At 5.30 swung to flood.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Misty Pleasant. Light airs from N.N.E. first hour. Calm remainder of
watch. Flood tide.

Signed C. B. T. Moore
Ensign

Moons phase last qr. Dec. N.24 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			N by E	Calm	0	30.20	73	73	72		bcm	Cir Cum	8	S		
2			N	"	0	30.20	73	73	72	"	"	"	8	"		
3			"	"	0	30.20	72	72	71	"	"	"	3	"		
4			NNW	"	0	30.20	72	72	71	"	"	"	2	"		
5			"	N	0-1	30.20	72	72	71	om	"	"	0	"		
6			"	"	0-1	30.20	72	72	71	"	"	"	0	"		
7			SW	Calm	0-1	30.20	71	72	71	"	"	"	0	"		
8			S	N	1	30.20	71	72	71	o	"	"	0	"		
9			S by E	NE	1	30.20	71	72	72	bcm	"	"	2	"		
10			S	NNW	0-1	30.20	72	73	72	"	"	"	3	"		
11			SSW	"	0-1	30.15	72	73	72	"	"	"	2	"		
Noon.			WNW	Calm	0	30.15	72	73	72	"	"	"	1	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2350 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SW	SSE	4-6	30.06	73	75	74	om	"	0	S
2	S	"	6	30.03	73	74	73	"	"	0	"
3	W	S by E	6	30.03	72	74	73	bcm	"	2	"
4	NW by N	"	6	30.02	72	74	73	"	"	2	"
5	NW by W	SSW	5	30.02	71	74	72	"	"	4	"
6	SSW	"	5	30.02	71	72	71	"	"	6	"
7	"	"	4	30.05	72	72	71	"	"	5	"
8	S by W	"	3	30.05	72	72	71	"	"	6	"
9	S	"	4	30.08	72	72	71	"	"	3	"
10	SSW	WSW	2	30.08	72	72	71	"	"	3	"
11	"	"	1	30.08	72	72	71	o	"	0	"
Mid.	SW	"	1	30.08	71	71	70	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday August 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part. Cloudy latter part. Calm. Damp Swung to ebb at 12.30.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Misty. Damp Light airs from N. and calms. At 7.30 Flag Ship made signal 3350. Swung to flood at 7.30.

Signed J. K. Cogswell
Lieut

From 8 A. M. to Merid. Cloudy. Misty. Light airs from N.E. and N.N.W. Calm last hour. Flood tide. Slack water at 11. At 9.40 had divisional inspection. At 10 Comdg. Officer inspected ship and crew at quarters. Afterwards read prayers. Sent liberty party on shore.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Pleasant. Hazy. Sea breeze set in at 12.40. Blowing fresh breeze Swung to flood at 2 and to ebb at 3.50.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy. Misty. Damp. Stiff to gentle breeze from S.S.W. Swung to flood at 5.20. At 5.15 Flag Ship made general signal 2985. Answered.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Overcast. Misty. Damp. Light airs to light breeze from W.S.W. Flood tide.

Signed J. K. Cogswell
Lieut

Moon's phase last qr. Dec. N. 20 °

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			NNW	NW	0-1		30.06	72	73	72		om	Cir Cum Nimb	0		S
2			N	NNW	1		30.06	72	73	72		"	"	0		"
3			N by W	N	2		30.02	72	72	71		"	"	0		"
4			"	"	1		30.00	72	71	71		"	"	0		"
5			NNW	"	0-1		30.00	72	71	71		"	"	0		"
6			NW	NNE	0-1		30.00	72	71	71		"	"	0		"
7			"	"	1		30.03	72	71	71		"	"	0		"
8			South	"	1		30.03	72	71	71		"	"	0		"
9			S by W	Calm	0		30.04	72	72	71		"	"	0		"
10			SSE	NNW	0-1		30.05	71	73	72		"	"	0	"	
11			"	Calm	0		30.05	71	73	72		"	"	0	"	
Noon.			"	"	0		30.05	71	73	72		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water	during the preceding 24 hours		"
Water remaining on hand fit for use at noon			2000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SW	SW	1-2	30.05	72	74	72	om	Cum Nimb	0	S
2	WNW	"	2-3	30.05	72	74	72	"	"	0	"
3	NW	"	3	30.05	72	72	71	"	"	0	"
4	West	"	3	30.05	71	73	71	"	"	0	"
5	NNW	WSW	3-5	30.05	71	71	70	"	"	0	"
6	"	SSW	5-7	30.09	71	71	70	omq	"	0	"
7	WSW	SW	3	30.11	71	71	69	"	"	0	"
8	WNW	"	0-1	30.11	71	70	69	om	"	0	"
9	S	"	1-2	30.14	71	70	70	"	"	0	"
10	SSW	WNW	1-2	30.14	70	71	70	"	"	0	"
11	SW	"	1-2	30.16	70	71	70	"	"	0	"
Mid.	"	"	1-2	30.16	68	70	70	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Monday August 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Misty. Occasional light passing showers. Light airs to light breeze from N.W. to N Ebb tide. Barometer falling

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Misty Light airs from N.N.E. At 7.30 Flag Ship made general signal 3351. Answered.

Signed C. K. Curtis
Lieutenant

From 8 A. M. to Merid. Overcast. Misty. Damp. Calm and light airs from N.N.E. At 9.15 exercised at general quarters. Time of casting loose as follows. Eng. Div. 35 sec[onds], Nav. 1 m[inute], Surgeon's 1 m 50 sec, Pdr [Powder] 2 m 10, 2nd Div. 2 m 40 sec, 1st Div. 2 m 50 sec. Secured in 3 m 45 sec. Transferred Seargt. [Sergeant] Louis Zechman (M.C.) Frank Hunter (O.S.) and Jas. Smith (Lds E.2) with their accounts and descriptive list to U.S.S. "Guard" for transportation home. At work on poop awning.

Signed J. K. Cogswell
Lieutenant

From Merid. to 4 P.M. Weather cloudy but pleasant. Wind light to gentle from S.W. Barometer steady. Sea smooth. Swung to ebb at 1.30. ~~Su~~ At 2.50 Flag Ship made general signal 2084. Answered

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast. Misty. Light airs to very fresh breeze from S.S. W. to S.W. Swung to ebb at 5.30. Squally.

Signed J. K. Cogswell
Lieut

From 8 P.M. to Mid. Cloudy but pleasant. Wind light from S.W. to W.N.W. Barometer rising Sea smooth. Flood tide.

Signed C. K. Curtis
Lieut

Moons phase last qr. Dec. N. 15°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			W by N	WNW	2		30.16	70	69	68	om	Cum Nimb	0	S		
2			NNW	"	2		30.16	70	69	68	"	"	0	"		
3			N by W	NW	2		30.16	70	69	68	"	"	0	"		
4			N	W	1		30.16	70	69	68	omc	"	0	"		
5			"	NW	1		30.13	70	69	68	"	"	0	"		
6			NNW	"	1		30.13	70	69	68	om	"	0	"		
7			"	"	2		30.13	69	69	68	"	"	0	"		
8			NW by W	"	2		30.13	69	68	68	"	"	0	"		
9			WSW	"	1-2		30.19	69	68	67	"	"	0	"		
10			SW	"	2		30.22	67	68	67	"	"	0	"		
11			SW by S	"	2-3		30.22	67	68	67	"	"	0	"		
Noon.			SSW	"	2-3		30.22	67	68	67	"	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	WSW	NNW	2	30.20	67	68	67	od	"	0	S
2	N by W	"	3	30.18	67	68	67	om	"	0	
3	NW	NW	3	30.17	67	68	67	"	"	0	
4	NNW	"	2-3	30.18	67	68	67	"	"	0	
5	N by W	"	2-3	30.18	67	68	67	"	"	0	
6	NW	"	2-3	30.18	67	68	67	"	"	0	
7	WNW	"	2-3	30.18	67	67	67	"	"	0	
8	NNW	"	2-3	30.20	67	66	66	"	"	0	
9	NW	"	2	30.24	67	66	66	"	"	0	
10	SW	W	3	30.25	67	66	66	od	"	0	
11	S by W	"	3-4	30.25	67	67	66	"	"	0	
Mid.	"	"	3-4	30.25	67	67	66	"	"	0	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday August 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Misty. Raining during latter part of watch. Light breeze from N.W. to W. Swung to ebb at 1.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Overcast. Misty. Passing showers first hour. Light N.W. breeze. Cir Cum clouds. U.S.S. Guard got underway and stood out to sea. At 7.30 Flag Ship made general signal 3351.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Weather cloudy and threatening. Passing showers first hour. Wind light to gentle from N.W. Barometer rising. Sea smooth. Flood tide. At 9.15 inspected at quarters. Exercised 1st Div at great guns. By order of Comdr. F. H. P. Forrest (A.S.) was placed in single irons for disrespect to Officer [of the] deck. Geo. W. King (W.O.C.) was given an extra watch for neglect of duty.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Misty. Cool. Light land breeze from N. Cum Nimb clouds. At 2 swung to ebb. A board of survey composed of Lieut. Black, Wood and Lay met on board and surveyed the following articles. 1 ensign 1 pr. Binocular glasses and 1 mast pennant. Chief Eng. P. A. Rearick was restored to duty by order of Comdr.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Weather overcast and disagreeable. Wind light to gentle from N.W. Bar[ometer] rising. Sea smooth. Ebb tide.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Drizzling rain. Gentle to moderate W[ester]ly wind blowing in puffs. At 10 swung to flood.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec. N. 9°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW	W	2-3	30.25	67	67	66	od	Cum Nimb	0	S		
2			W	"	2-3	30.25	67	65	65	om	"	0	"		
3			WNW	"	2	30.24	66	64	64	"	"	0	"		
4			"	"	2	30.25	66	65	65	"	"	0	"		
5			N by W	NW	2	30.25	66	65	65	"	"	0	"		
6			NW by N	WNW	3	30.25	66	64	64	"	"	0	"		
7			NW	"	2	30.25	66	64	64	"	"	0	"		
8			WNW	"	1	30.28	66	64	64	"	"	0	"		
9			N	"	2	30.32	66	64	64	or	"	0	"		
10			S	"	0-1	30.32	65	65	65	"	"	0	"		
11			"	"	0-1	30.35	65	65	65	"	"	0	"		
Noon.			SSW	"	1	30.35	65	65	66	"	"	0	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water		" "
Water remaining on hand fit for use at noon		1700 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	S by W	SW	2-3	30.35	65	65	66	bcpq	"	1	S
2	W by S	WNW	3	30.33	67	68	67	bc	"	2	"
3	W by N	SW	3	30.33	66	68	67	"	"	3	"
4	NNW	"		30.33	67	69	68	"	"	2	"
5	"	"		30.33	67	68	67	"	"	4	"
6	"	"		30.34	67	66	65	"	"	3	"
7	N by W	WSW	1-2	30.35	67	66	66	"	"	3	"
8	NNW	W by N	0-1	30.35	67	66	66	"	"	8	"
9	W by N	W	1	30.40	67	66	66	"	"	6	"
10	WSW	NNW	3	30.40	67	65	65	"	"	7	"
11	SSW	"	2	30.40	65	65	65	bcp	"	5	"
Mid.	"	"		30.40	64	65	65	bc	"	7	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday August 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Rainy. Wind light to gentle from W. Bar[ometer] falling
Sea smooth. Swung to ebb at 2.30.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast with frequent passing showers Gentle breeze to light airs from W.
and W.N.W. Ebb tide. At 7.30 Flag Ship made general signal 3351. Received in Construction
Dept. 15 lbs shellac gum.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast. Rainy. Light airs from W.N.W. Swung to flood at 9.30. Large
French mail steamer came in and anchored.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy. Squally and rainy first hour. Pleasant remainder of watch. Light to
stiff breeze from S.W. and W.N.W. English steamer (P.S.N.C.) came in and anchored. At 1.15
called all hands to muster and read proceedings and sentence of summary Court Martial in case
of Herman Meyer (O.S.2c) sentenced to solitary confinement double irons on bread and water
for 30 days, full ration every 5th day and extra police duty for six months. Sentence was
mitigated by Comdg Officer to solitary confinement double irons full rations for 15 days and
extra duty for 3 months. Sentence as mitigated was approved by Comdr in Chief to be carried
into execution from this date. At 2 Flag Ship made tel[egraphic] sig[nal] 9279. 0102. 4204. 6849.
4578. 9409. 9279. 2213. 9. 6702. 1137. 9409. 6691. 620. 670. 6915. 2215. 9. 6702. 1137. 0935.
1267. 4390. Answered. Tide turned ebb at 3.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Threatening. Light to moderate wind from S.W. Blowing in squalls.
Falling very light towards end of watch. Cum Nimb. Long swell from seaward. Ship rolling easily.
Riding to ebb.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Cool. Passing showers third hour. Long swell from S. Light airs to
gentle breeze from W.N.W. Swung to flood at 10.45.

Signed W. H. Allen
Midshipman

Moon's phase 1st qr. Dec. N. 2 °

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			SW	SW	1-3	30.40	64	65	65	oq	Cum Nimb	0	S		
2			W	"	1	30.38	64	65	65	bcp	"	2			
3			NNW	"	1	30.35	64	65	65	bo	"	2			
4			"	"	1	30.34	64	64	64	or	"	3			
5			"	"	1	30.34	65	63	63	"	"	0			
6			"	"	1	30.35	65	62	62	o	"	0			
7			"	"	1	30.36	65	62	62	bc	Cir Cum Nimb	2			
8			"	Calm	0	30.38	64	65	65	"	"	4			
9			NW	NNW	1	30.40	67	66	66	"	"	5			
10			W by S	"	0-1	30.40	67	66	66	"	"	4			
11			S by W	"	1	30.40	67	67	67	"	"	6			
Noon.			"	"	1	30.40	67	67	67	"	"	5			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ⊕	°	" "
Longitude by Chronometer from Forenoon Observations ⊕	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for use at noon		1400 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	South	SSE	4	30.35	67	68	67	bc	Cum	9	S
2	"	"	1-2	30.32	67	69	68	"	"	4	"
3	"	"	4	30.32	68	68	67	"	"	4	"
4	WSW	"	5	30.32	67	68	67	"	"	1	"
5	NNW	S	3	30.34	67	68	67	"	"	2	"
6	SSW	"	3	30.34	67	68	67	"	"	5	"
7	NE	SE	3	30.34	67	68	67	"	"	7	"
8	ESE	"	1	30.34	67	68	67	"	"	6	"
9	NE	E	1	30.34	67	68	67	"	"	9	"
10	SSE	NNE	0-1	30.34	67	66	66	"	"	9	"
11	"	"	0-1	30.34	67	66	66	"	"	9	"
Mid.	S by E	"	0-1	30.34	67	66	64	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday August 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and rainy with occasional passing clear intervals. Light wind from S.W. At 2.30 swung to ebb.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cool. Damp Raining first hour. Clearing up last half of watch. Riding to ebb. At 2.30 Flag Ship made general sig[nal] 3351. Ans[wered].

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Warm. Light airs from N.N.W. At 9.15 inspected at quarters. Exercised 1st Div. at great guns. 2nd Div. at single sticks. Marine Guard at setting up. Swung to flood at N. An English Steamer (P.S.N.C.) and a French Steamer went to sea. Lieut C. K. Curtis absent without leave.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear first hour. Cloudy rest of watch. Cool. Pleasant. Light airs increasing to stiff breeze latter part of watch from S.S.E. Released F. H. P. Forrest from confinement by order of Comdg. Officer. At 1 made interrog. signal 4826. Flag Ship answered 904. Furled sail. At 3.20 Flag Ship made general signal 2984. Ans[wered] Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Gentle breeze to light airs varying from S.E. to E. At 5.35 made interrog. Signal 6148. Flag Ship answered 904. At sunset sent down top gallant yards. Unbent light sail.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Cool. Pleasant. Light airs from N.N.E. Flood tide.

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. S. 5°

Examined and found to be correct

Signed Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			South	ESE	2		30.32	67	66	65	bc	Cir Cum Nimb	2	S	
2			SSW	"	2		30.30	67	66	65	"	"	5	"	
3			NW	ENE	2		30.27	67	67	66	"	"	6	"	
4			NNE	"	1		30.27	67	67	66	"	"	7	"	
5			North	NE	1-2		30.25	67	67	66	"	"	4	"	
6			"	"	1-2		30.29	66	65	66	"	"	7	"	
7			"	"	1		30.30	66	65	65	"	"	7	"	
8			NNW	"	0-1		30.30	66	66	65	"	"	8	"	
9			NNE	"	0-1		30.32	67	67	66	"	"	9	"	
10			NNW	NNE	0-1		30.32	67	69	67	"	"	9	"	
11			SW	NW	1		30.38	67	69	69	"	"	9	"	
Noon.			South	Calm	1		30.38	68	69	69	"	"	9	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water	during the preceding 24 hours		1750 "
Water remaining on hand fit for use at noon			2850 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	South	South	1-2	30.25	68	70	69	bc	Cir Cum	7	S
2	"	"	3	30.23	68	70	69	"	"	6	"
3	"	"	3	30.23	68	70	69	"	"	5	"
4	"	"	3	30.23	68	70	69	"	"	5	"
5	SW	"	4	30.20	68	70	68	"	"	0	"
6	NNW	NNW	2	30.20	68	69	68	"	"	3	"
7	NW	"	1	30.20	68	69	68	"	"	6	"
8	"	SSE	0-1	30.20	68	69	69	"	"	5	"
9	ESE	"	0-1	30.24	68	69	69	"	"	2	"
10	S	"	0-1	30.24	69	69	67	"	"	4	"
11	SE	"	0-1	30.24	69	68	67	"	"	4	"
Mid.	SSE	"	0-1	30.23	68	68	67	"	"	4	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0	1	11
Variation of the Compass by Amplitude observed at Sunset	0	1	11
Variation of the Compass by at	0	1	

under the command of Commander W. Scott Schley, U. S. Navy.
Friday August 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy first two hours. Clear last two Light breeze to light airs from E.S.E. and E.N.E. Long swell from S. Swung to ebb at 2.30.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather clear and pleasant. Light breeze to light airs from N.E. Bar[ometer] rising. Sea smooth. Ebb tide. At 7.30 Flag Ship made general signal 3351. And at 7.30 made interrog[atory] sig[nal] 6544. Flag Ship answered 904. Answered and crossed top gallant yards.

Signed J. K. Cogswell
Lieutenant

From 8 A. M. to Merid. Clear and pleasant. Light airs from N.E. to N.W. Calm last hour. At 8.45 made interrog. Signal 5455. Flag Ship answered 904. Loosed sail. At 9.15 exercised at fire quarters. Time of casting loose as follows. 1st Div. 15 sec[onds], Eng. Div. 50 sec, 2nd Div. 25 sec. Secured in 55 sec. American mail steamer City of Pasa came in Swung to flood at 11.15.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cool and pleasant weather. Moderate sea breeze which set in at one o'clock Made interrog signal 4826 to Hartford who answered 904. At 1 furling sail. At 2 Hartford made general signal 6222. Scraped spars. Lt. Comdr. Schouler left the ship on three days leave of absence. Considerable swell setting into harbor. Ship rolling about 5° each way. Flood tide measuring at the rate of two knots.

Signed J. K. Cogswell
Lieutenant

From 4 to 8 P.M. Cloudy. Pleasant. Light to moderate breeze from W.N.W. first part. Light airs ~~airs~~ from S.S.E. latter part. Swung to flood at 7.30.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Pleasant. Light airs from S.S.E. Bar. rising. Considerable swell setting into harbor. Flood tide

Signed J. K. Cogswell
Lieutenant

Moons phase 1st qr. Dec. S. 10°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			South	Calm	1	30.23	68	68	67		bc	Cir Cum Nimb	9	S	
2			"	"	0	30.23	68	68	67		"	"	9	"	
3			SE	NE	0-1	30.20	68	67	66		"	"	9	"	
4			NNW	N	2	30.20	66	67	66		"	"	9	"	
5			"	"	1	30.18	66	66	66		bcp	Cum Nimb	8	"	
6			"	"	1	30.19	66	65	68		"	"	7	"	
7			"	Calm	0	30.20	66	64	65		"	"	7	"	
8			N by W	"	0	30.24	67	66	66		"	"	6	"	
9			WSW	"	0	30.27	67	67	67		bcm	"	5	"	
10			SW	"	0	30.30	67	67	66		"	"	6	"	
11			West	N	0-1	30.30	67	68	67		"	"	6	"	
Noon.			SSW	"	1	30.30	67	69	68		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1			S by E	SE	2	30.28	69	70	69		bc	Cir Cum	5	S	
2			"	"	3	30.27	69	70	69		"	"	6	"	
3			South	"	3	30.26	69	70	69		"	"	5	"	
4			"	"	3	30.26	69	70	69		"	"	5	"	
5			NW by N	South	3	30.26	69	70	69		"	"	5	"	
6			NNW	"	3	30.25	69	70	69		"	"	5	"	
7			"	"	2-3	30.25	69	68	68		"	"	4	"	
8			WNW	"	2-3	30.30	69	68	68		"	"	4	"	
9			S by W	"	2-3	30.31	70	68	68		"	"	4	"	
10			South	"	2	30.33	70	68	68		o	"	0	"	
11			SSW	Calm	0	30.33	70	68	68		bc	"	8	"	
Mid.			W	"	0	30.33	69	68	68		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday August 31st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Calm first part Light airs latter part from N.E. to N.
Long swell Ship rolling easily Swung to ebb at 3.50.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Foggy. Cum. Nimb clouds. Light airs from N. first part. Calm remainder
of watch. At 7.30 Flag Ship made general signal 3351.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Weather partially cloudy and misty. Calm first half Light airs from N. last
half of watch. Bar[ometer] rising Long swell from S. and E. Flood tide sent liberty party on shore.

Signed J. K. Cogswell
Lieut

From Merid. to 4 P.M. Clear Pleasant Gentle sea breeze from S.E. Cir. Cum clouds Swung to
flood at 12.30. Two English Steamers Royal mail and (L.& H.) came in and anchored Received
on board 10 gals boiled oil, 5 gals spts [spirits] turpentine and 1 gal Japan dryer and 10 lbs cut
nails

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Partially cloudy. Misty. Gentle breeze from S. Bar. rising Long swell setting
into harbor.

Signed J. K. Cogswell
Lieutenant

From 8 P.M. to Mid. Clear. Damp. Light S.E. airs first part. Calm remainder of watch. Cir. Cum
clouds. At 8l.30 swung to flood

Signed L. P. Jerrett
Master

Moon's phase 1st qr. Dec. S. 17°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			South	Calm	0	30.33	68	68	68		bcm	Cir Cum	9	S		
2			SSW	"	0	30.32	67	68	67		"	"	9	"		
3			"	"	0	30.31	66	67	67		"	"	9	"		
4			S by W	"	0	30.31	66	67	67		"	"	9	"		
5			North	NNE	1	30.31	66	67	67		bc	"	9	"		
6			NNW	NNW	1	30.31	66	66	66		"	"	7	"		
7			N by W	"	1	30.33	67	66	66		"	"	8	"		
8			"	North	1	30.33	67	66	66		"	"	6	"		
9			NW	"	0-1	30.33	67	66	67		"	"	5	"		
10			SW	"	0-1	30.33	67	67	68		"	"	6	"		
11			SSW	Calm	0	30.31	67	68	68		"	"	7	"		
Noon.			South	SE	1	30.30	67	69	69		"	"	7	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2350 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by E	SE	4	30.28	71	73	71	bc	Cir Cum	8	S
2	SSE	"	6	30.25	71	73	71	"	"	8	"
3	S by E	"	5	30.23	71	73	71	"	"	8	"
4	"	"	6	30.23	71	73	71	"	"	9	"
5	SE	"	4	30.23	71	73	71	"	"	8	"
6	NE	"	3	30.23	71	73	71	"	"	8	"
7	N by W	"	1	30.23	71	72	70	"	"	8	"
8	N	Calm	0	30.23	71	71	70	"	"	9	"
9	SSE	ENE	1	30.26	70	70	69	"	"	9	"
10	S	E	1	30.26	70	70	69	"	"	9	"
11	S by W	"	2	30.26	70	70	69	"	"	9	"
Mid.	SW	NW	1	30.26	70	70	69	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	11
Longitude by Chronometer Observations	*	0	1	11
Variation of the Compass by Amplitude	observed at Sunset	0	1	11
Variation of the Compass by	at	0	1	11

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool Misty around horizon Calm. Bar[ometer] falling slowly
Long swell setting into harbor. Ship rolling easily. Flood tide.

Signed J. K. Cogswell
Lieut

From 4 to 8 A.M. Clear. Cool. Pleasant. Light airs varying from N.N.E. to N.N.W. Swung to ebb
at 4.45. At 7.30 Flag Ship made general signal 3350. English steamer (P.S.N.C.) came in from
S.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear. Warm. Light W[ester]ly airs and calms Cir. Cum clouds At 9.40
inspected divisions At 10 Commander inspected ship and crew at quarters. Read articles for
government of the Navy. Mustered crew. Lieut C. K. Curtis, James Duncan (OS) absent without
leave. At 10.15 swung to flood Sent liberty party on shore.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear. Pleasant. Moderate to fresh breeze from S.E. Flood tide. Sent a
visiting party to Hartford.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Calm. Moderate sea breeze from S.E. falling light and dying out towards end
of watch. Cir. Cum. clouds At 5.30 swung to ebb.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Pleasant. Light breeze from E. and W. Swung to flood at 9.15

Signed Saml. C. Lemly
Ensign

Moon's phase 1st qr. Dec. S. 22°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			North	Calm	0	30.27	70	69		bcm	Cir Cum	8	S			
2			WSW	"	0	30.27	69	69	68	"	"	9	"			
3			S	"	0	30.27	68	69	68	"	"	8	"			
4			"	"	0	30.27	68	69	68	"	"	8	"			
5			W	North	1	30.24	67	68	68	"	"	9	"			
6			N	Calm	0	30.24	67	68	67	"	"	5	"			
7			"	"	0	30.24	68	67	67	"	"	6	"			
8			"	"	0	30.25	69	68	67	"	"	6	"			
9			NW by W	"	0	30.25	69	69	68	"	"	8	"			
10			SSW	NNE	1	30.25	69	69	69	"	"	9	"			
11			S by E	NNW	0-1	30.28	70	70	69	"	"	9	"			
Noon.			SW by S	Calm	0	30.18	70	71	70	"	"	9	"			

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2000 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	South	SSE	3	30.15	70	73	71	bcm	Str	9	S
2	E by S	"	4	30.13	72	74	72	"	"	9	"
3	South	South	33	30.10	75	75	73	"	"	8	"
4	S by W	S by W	3	30.09	74	76	73	"	"	8	"
5	SSW	"	3	30.08	74	76	74	"	"	7	"
6	SW by W	"	1	30.08	73	75	73	"	"	6	"
7	N	Calm	0	30.08	73	74	73	"	"	7	"
8	N by W	"	0	30.08	74	74	73	"	"	5	"
9	NNW	"	0	30.08	74	73	72	"	"	2	"
10	S by W	SW	2	30.08	73	72	71	"	"	1	"
11	SSW	West	2	30.08	73	72	71	"	"	4	"
Mid.	SW by S	NW	2	30.08	73	72	71	"	"	6	"

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Misty Calm. Cir Cum clouds. At 2.10 swung to flood

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy Misty Pleasant. Calm. Received fresh provisions for crew. At 7.30 Flag Ship made general signal 3351. Ans[wered]. Swung to ebb at 5.45. James Brown (C.G.C.) returned on board.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Pleasant. Calm and light airs from N.N.W. Swung to flood at 9.30. At 9.15 exercised at quarters. Cast loose. Marine Guard 45 sec[onds], Nav. Div. 55 sec, Eng. Div. 1 [minute]. 15 [seconds], Powder Div. 1. 50 sec, Surgeons Div. 1 m, 2nd Div. 1 m 30 sec, 1st Division 2 m 45. Secured in 2 m 45 sec. An Argentine steamer came in At 11.55 Flag Ship made general signal 1087. Answered.

Signed Samuel C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Pleasant. Gentle to moderate breeze from S.S.E. to S. by W. Exercised at sending up and down top gallant and royal yards and T. G. Masts. Lieut Comdr John Schouler U.S.N. returned from leave. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Hazy. Gentle breeze to light airs from S. by W. first two hours Calms last two. AT 5.45 Flag Ship made general signal 5040. Ans. Swung to ebb at 6.45.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Pleasant. Hazy. Calm first hour Light breeze remainder of watch. Shifting from W.S.W. and N.W. Flood tide

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. S. 25 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW by W	WNW	2		30.06	71	72	71		bc	Cir Cum	5		S
2			NNW	"	1		30.05	71	71	70		"	"	7		
3			N by W	NW	0-1		30.05	71	71	70		"	"	6		
4			South	"	0-1		30.03	71	71	70		"	"	8		
5			SW	"	1		30.03	70	70	69	bcm	"	"	7		
6			WNW	"	1		30.03	70	71	70		"	"	7		
7			N	"	1		30.03	70	72	70		"	"	7		
8			"	"	1		30.03	71	73	70		"	"	7		
9			NW by N	NNW	1		30.04	71	74	71		"	"	2		
10			West	"	0-1		30.05	72	74	72		"	"	4		
11			South	Calm	0-1		30.03	73	74	73		"	"	4		
Noon.			"	E	0-1		30.03	73	75	73		"	"	5		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			400 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1600 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	ESE	South East	1-2	30.03	73	76	74	bcz	Cir Cum	6	S
2	NE	"	2-3	30.03	73	76	74	"	"	6	
3	NE by E	"	2-3	29.97	73	75	74	"	"	6	
4	South	"	2-3	29.97	73	77	73	"	"	6	
5	"	South	5	29.93	73	76	73	"	"	2	
6	"	SW	4-5	29.92	74	76	73	"	"	2	
7	"	"	4	29.92	74	76	73	"	"	2	
8	North	"	0-1	29.92	74	74	73	"	"	1	
9	"	NE	1	29.93	73	75	73	"	"	1	
10	S by W	Calm	0	29.93	73	75	73	"	"	1	
11	South	SE	1-0	29.91	73	74	73	"	"	1	
Mid.	"	"	1	29.84	73	74	73	"	"	1	

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Pleasant Damp. Light breeze to light airs from W.N.W. and N.W. Swung to ebb at 1240. Swung to flood at 3.15.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Clear. Pleasant. Misty. Wind light from N.W. Barometer steady Sea smooth. Swung to ebb at 6.30. At 7.30 Flag Ship made general signal 3351. Answered

Signed J. K. Cogswell
Lieutenant

From 8 A. M. to Merid. Cloudy. Hazy. Warm. Calm and light variable airs At 9.15 inspected at quarters. Exercised 1st and second divisions at great guns and Marine Guards at small arms. Fred Porter (C.S.) absent without leave. At work on new poop awning and T. G. sail. Swung to flood at 10.30.

Signed C. B T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Hazy. Warm. Wind light to gentle from S.E. Bar[ometer] falling Sea smooth Swung to flood at 3.45 and to ebb at 1.35. Lieut. C. K. Curtis returned on board having been absent without leave 5 days.

Signed J. K. Cogswell
Lieut

From 4 to 8 P.M. Cloudy. Hazy. Pleasant. Moderate to stiff breeze first three hours from S. to S.W. Calm last hour. At 5 "Hartford" made general signal 3967 and geographical 1516. Ans[wered]. Mustered at quarters and turned in clean hammocks. Swung to ebb at 7.30.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Pleasant. Wind light from S.E. Calm Raining portion of watch. Barometer falling. Sea smooth. Swung to flood at 9.15.

Signed J. K. Cogswell
Lieut

Moon's phase 2nd qr. Dec. S. 27°

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	Calm	0	29.82	73	73	72		bcz	Cir Cum	2	S		
2			NW by W	"	0	29.82	73	73	72		"	"	4	"		
3			N	"	0	29.84	73	73	72		o	"	0	"		
4			NE	SE	1	29.84	73	72	71		"	"	0	"		
5			N by E	Calm	0-1	29.84	71	72	71		"	"	0			
6			"	"	0-1	29.84	71	71	71		or	Nimb	0			
7			North	"	0-1	29.84	71	70	71		"	"	0			
8			"	"	0-1	29.84	71	70	71		"	"	0			
9			"	"	0-1	29.90	71	71	70		"	"	0			
10			N by W	North	0-1	29.90	71	72	70		"	"	0			
11			SW	"	0-1	29.87	71	72	71		bcon	"	3			
Noon.			S by E	"	0-1	29.87	71	73	72		"	"	4			

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons.
Water	during the preceding 24 hours	"
Water remaining on hand fit for use at noon		1200 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	WSW	Calm	0	29.84	72	75	73	bcm	Cir Cum	5	S
2	South	South	3	29.81	72	74	73	"	"	6	"
3	NW by W	"	4	29.79	72	74	73	"	"	5	"
4	"	"	4	29.80	71	73	73	do	"	5	"
5	S by W	"	4	29.80	73	73	72	"	"	5	"
6	S	"	3-4	29.80	72	73	72	"	"	3	"
7	SSW	"	3	29.82	72	72	71	"	"	7	"
8	SW	"	2-3	29.82	73	71	71	"	"	7	"
9	SSW	"	0-1	29.84	71	71	71	"	"	6	"
10	W	Calm	0	29.88	71	71	71	"	"	7	"
11	South	"	0	29.92	71	71	71	"	"	8	"
Mid.	"	"	0	29.92	71	71	71	"	"	9	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday September 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and hazy. Calm first three hours Light airs last hour from S.E. By order of Commander Herman Meyer (OS2c) was taken out of ~~the~~ brig and confined in the fore passage upon recommendation of Surge on. Swung to ebb at 2.15

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Rainy. Calm. At 7.30 Flag Ship made general signal 3351.
Ans[wered] Riding to ebb

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy and rainy first part. Overcast and misty remainder of watch.
Warm. Barometer falling. Sea smooth. Swung to flood at 10.45.

Signed W. G. Hannum
Midshipman

From Merid. to 4 P.M. Clear. Misty. Moderate sea breeze from S. Tide turned ebb at 1.30
Received on board two boxes salt water soap. P. J. Duffy OS was rated seaman. By order of Comdr. also the following (OS2c) were rated OS. J. G. Pentz, P.H. Emmons, Wm Hayden, E. E. Barclay, L. W. Hellen, W. J. Lindon, W. C. Montgomery and T. G. Roberts all from the 1st instant inclusive.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Partially cloudy. Misty and damp. Wind moderate to light from S. Bar[ometer]
rising Sea smooth. Flood tide At 5.40 Flag Ship made prep. signal 6143 and at 5.45 general
signal 6143. Ans. At sundown sent down top gallant yards.

Signed W. G. Hannum
Midshipman

From 8 P.M. to Mid. Clear. Warm. Calm. Light airs from S. Swung to ebb.

Signed L. P. Jerrett
Master

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			SW	Calm	0	29.90	71	72	70		bcm	Cum Nimb	5	S	
2			W by N	"	0	29.90	71	71	70		"	"	3	"	
3			N	"	0	29.89	71	71	70		om	"	0	"	
4			"	"	0	29.89	71	70	70		of	"	0	"	
5			N by E	ENE	1	29.89	71	70	70		f	"	0	"	
6			S by E	NE	0-1	29.89	71	70	70		"	"	0	"	
7			SW by S	"	1	29.94	70	70	69		"	"	0	"	
8			SW by W	North	1	29.94	69	69	69		"	"	0	"	
9			North	N by E	1	29.94	70	69	69		bcm	"	2	"	
10			"	"	0-1	29.94	70	69	69		"	"	2	"	
11			NNE	North	1	29.95	71	71	71		"	"	3	"	
Noon.			SW	"	1	29.92	71	72	71		"	"	3	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		200 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			S by W	North	1	29.90	73	74	73		"	"	8	S	
2			N by W	Calm	0	29.87	75	75	74		"	"	6		
3			N	"	0	29.86	75	76	75		"	"	8		
4			"	SE	1	29.86	75	77	76		"	"	8		
5			WSW	"	1	29.88	74	77	75		"	"	9		
6			S	"	1	29.88	73	74	73		"	"	7		
7			S by E	"	0-1	29.88	73	74	73		"	"	8		
8			S	Calm	0	29.88	73	74	73		"	"	6		
9			W by N	NNW	0-1	29.90	73	74	73		"	"	7		
10			N	"	1	29.92	73	75	74		"	"	4		
11			N by E	"	1	29.92	73	75	74		"	"	3		
Mid.			N	Calm	0	29.92	73	75	74		"	"	4		

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

*
observed at Sunset
at

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy Misty Foggy last hour. Damp Calm. Bar[ometer] falling
Sea smooth. Swung to ebb at 2.15.

Signed W. G. Hannum
Midshipman

From 4 to 8 A.M. Foggy. Damp. Disagreeable. Light airs varying from E.N.E. to N. Swung to
flood at 4.30. Received fresh provisions for crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Foggy first hour. Cloudy remainder of watch. Warm. Light airs from W. At
8.50 made general signal 5459. Flag Ship answered 904. At 9 crossed top gallant yards and
loosed sail. At 9.30 inspected at quarters Exercised Company [?] at single sticks The Brazilian
man of war "Nitchroy" got underway and stood out to sea. At 1.21 swung to flood.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Sky clear. Misty. Calm and light airs from N.E. and S.E. Swung to ebb at
1.45. At 1 Flag Ship made prep signal 4826 Ans[wered] and furled sail. Italian steamer went to
sea. Lieut J. K. Cogswell left the ship having been detached by order of the Navy Dept. with
permission to proceed to the U.S.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Warm. Light S.E. Cum Nimb clouds. At 5.10 swung to flood At 5.05 Flag
Ship made prep[eratory] sig[nal] 2983 At 5.40 prep 6143 At sunset she made gen[eral] sig 6143
Sent down top gallant yards At 4.15 made interrog sig 6177. Flag Ship answered 904 shifted
topsails.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Cloudy. Misty Moonlight. Light airs from N.N.W. and calms. Swung to ebb
at 9.30.

Signed Saml. C. Lemly
Ensign

Moons phase 2nd qr. Dec. S. 26°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil South America

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A.M.															
1			N by W	Calm	0		29.92	74	75	75	bcm	Cum Nimb	1	S	
2			"	"	0		29.92	74	75	75	om	"	0	"	
3			North	"	0		29.92	74	75	74	"	"	0	"	
4			"	SE	1		29.92	74	74	73	"	"	0	"	
5			"	Calm	0		29.92	74	74	73	or	"	0	"	
6			"	"	0		29.92	74	75	75	"	"	0	"	
7			SSE	SE	3		29.94	73	74	73	om	"	0	"	
8			SW	WSW	3		29.98	74	75	74	"	"	0	"	
9			SSW	S by W	4		30.05	74	75	73	"	"	0	"	
10			SW by S	WSW	5		30.07	74	75	73	"	"	6	"	
11			SW by W	"	5		30.07	74	75	72	bcm	"	2	"	
Noon.			"	"	3-5		30.07	74	75	72	om	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		400 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			SW	SW	5-6		30.10	74	73	72	om	Cum Nimb	0	S	
2			"	"	4-5		30.11	75	72	72	"	"	1	"	
3			WNW	SSW	4-5		30.12	72	72	71	"	"	0	"	
4			NW	S	3-4		30.14	72	72	71	"	"	0	"	
5			W by N	"	4-6		30.17	72	72	71	opm	"	0	"	
6			WNW	SSW	0		30.26	72	71	71	om	"	0	"	
7			SSW	"	3		30.22	71	69	69	o	"	0	"	
8			S by W	SW	2		30.22	71	70	69	"	"	0	"	
9			SSW	W	2		30.22	71	70	69	"	"	0	"	
10			"	Calm	0		30.22	71	69	68	"	"	0	"	
11			SW	SSW	3		30.25	71	69	68	om	"	0	"	
Mid.			"	"	3		30.25	71	69	68	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Very damp Obscured moonlight Cum Nimb clouds Calm first three hours Light S.E. wind last hour. Riding to ebb.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Overcast and Misty. Raining first two hours Calm rest of watch Gentle breeze from W.S.W. and S.E. At 7.30 Flag Ship made gen[eral] sig[nal] 3351. Ans[wered] Swung to flood at 6.30

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Overcast. Misty. Damp. Moderate to stiff breeze from S. by W. and S.S.W. Flood tide. At 8.50 Flag Ship made prep[aratory] 5459 and then hoisted annulling pennant At 9 she made prep 6144 At 9.10 gen. 6144 Ans and crossed top gallant yards. At 9.25 exercised at fire quarters. American steamer City of Para went to sea. Dipped colors in passing. By order of Comdr Nicholas Lynch OS2c was confined in double irons to await trial by summary Court Martial for insolence. W. C. Robinson (Lds) was given extra watches for loafing on the forecastle while on duty below. N. Lynch OS2c 4 hrs extra duty for skylarking and defacing port guard.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast. Misty and damp. Gentle to fresh breeze from S.W. to S. Light sprinkling of rain latter part of watch. Swung to ebb at 3.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Overcast. Misty Light passing showers first hour. Stiff breeze from S.S.W. and falling light and shifting to W. Swung to ebb at 6.15

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Overcast and misty Rainy last three hours of watch. Calm first hour. Gentle breeze rest of watch from S.S.W. to W.S.W. Flood tide.

Signed C. B. T. Moore
Ensign

Moons phase 2nd qr. Dec. S. 23 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			SSW	SSW	3	30.28	71	68	67		om	Cum Nimb	0	S	
2			SW	"	2	30.28	71	67	67		"	"	0	"	
3			WSW	SW by S	2-4	30.29	73	66	66		"	"	0	"	
4			SW	"	4	30.29	70	66	66		"	"	0	"	
5			WNW	"	3-4	30.29	69	67	66		omr	"	0	"	
6			SW	"	3-4	30.30	68	67	66		"	"	0	"	
7			WSW	South	3-4	30.33	68	66	65		"	"	0	"	
8			SSW	"	3	30.36	68	65	64		"	"	0	"	
9			S by E	Calm	0	30.37	68	66	65		"	"	0	"	
10			"	"	0	30.38	68	65	65		"	"	0	"	
11			SSW	WNW	2	30.38	68	65	65		"	"	0	"	
Noon.			W	WSW	0-1	30.38	69	65	68		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water during the preceding 24 hours		310 "
Water remaining on hand fit for use at noon		410 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			WNW	SW	2	30.39	67	65	65		or	Cum Nimb	0	S	
2			West	"	2	30.35	67	65	64		"	"	0	"	
3			W by N	"	2	30.35	67	64	64		"	"	0	"	
4			NNW	"	1-2	30.35	65	64	64		"	"	0	"	
5			NW	WSW	2	30.37	66	64	64		"	"	0	"	
6			"	NW	2	30.37	66	64	64		"	"	0	"	
7			WNW	NNW	1-2	30.37	67	64	64		"	"	0	"	
8			N by W	SE	3	30.40	67	64	64		"	"	0	"	
9			S by E	NE	2	30.42	68	63	63		"	"	0	"	
10			S	"	2	30.42	68	63	63		"	"	0	"	
11			S by W	"	2	30.41	68	63	63		"	"	0	"	
Mid.			WSW	"	2	30.40	68	63	63		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

*
observed at Sunset
at

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Raining. Light to moderate breeze from S.S.W. and S.W. by S. Swung to ebb at 3.45.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Rainy. Gentle to moderate breeze from S.W. and S. Bar[ometer] rising. Sea smooth Swung to flood at 4.30 At sunrise shore batterys fired salutes of 21 guns. Brazilian and French men of war in harbor full dressed ship Brazilian ensign at main. At 8 full dressed ship with Hartford Brazilian ensign at main At 9.30 Flag Ship made gen[eral] sig[nal] 3351. Ans[wered]

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast. Cool. Disagreeable. Raining during watch Calm first two hours Light breeze last two from W.N.W. and W.S.W. Swung to ebb at 11.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Rainy. Wind light from S.W. Barometer falling Sea smooth Ebb tide At 1 British French and American Flag Ships fired 3 shore batterys on shore fired national salutes of 21 guns Received in Equipt. Dept. 10 cases lead and 4 cases guns

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast. Rainy during watch Light variable breeze At sunset shore battery fired a national salute. Ebb tide

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Rainy. Wind light from N.E. Barometer falling. Sea smooth. Flood tide.

Signed C. K. Curtis
Lieut

Moons phase 2nd qr. Dec. S. 19°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			NNE	Calm	0	30.40	68	63	63		o	Cir Cum	0	S	
2			N by W	"	0	30.40	68	63	63		"	"	0	"	
3			"	"	0	30.38	68	63	63		"	"	0	"	
4			North	"	0	30.35	68	63	63		"	"	0	"	
5			NW	West	0-1	30.35	68	64	64		or	Nimb	0	"	
6			WNW	"	0-1	30.35	68	64	65		"	"	0	"	
7			SW	Calm	0	30.38	67	64	65		o	"	0	"	
8			SSW	W	1	30.39	66	64	65		or	"	0	"	
9			South	Calm	0	30.41	66	65	65		odf	"	0	"	
10			S by W	"	0	30.42	66	66	65		"	"	0	"	
11			SSW	SW	0-1	30.41	66	66	65		"	"	0	"	
Noon.			S by W	"	0-1	30.41	66	66	65		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons.
Water		"
Water remaining on hand fit for use at noon		2000 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			NNW	Calm	0	30.38	66	66	65		bcm	Nimb	0	S	
2			N by W	S	0-1	30.35	66	66	65		od	"	0	"	
3			NNW	"	3	30.33	66	67	67		bo	"	1	"	
4			SSW	"	3	30.33	67	67	67		"	"	2	"	
5			N	"	1	30.33	67	67	67		"	"	2	"	
6			ESE	"	1-2	30.35	67	67	67		od	"	0	"	
7			SE	SE	1-2	30.35	68	67	66		o	"	0	"	
8			"	"	1-2	30.36	68	67	66		"	"	0	"	
9			SE by S	"	2	30.38	68	67	66		"	"	0	"	
10			SSE	ESE	2	30.38	68	67	66		"	"	0	"	
11			S	"	2	30.38	67	67	66		"	"	0	"	
Mid.			"	"	1-2	30.38	67	67	66		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

observed at Sunset

at

*

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Raining during watch By order of Comdr W.S. Robinson stood 4 hrs extra watch. Swung to ebb at 12.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Rainy during entire watch. Nimb clouds. Calms and light variable airs. At 7 swung to flood. At 7.30 Flag Ship made gen[eral] sig 3350. Ans[wered].

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy. Foggy. Drizzling rain during entire watch Barometer rising slowly. Sea smooth. Flood tide At 9.30 inspected at quarters Received in Equip. Dept. 1900 gals fresh water Sent party of men on shore on liberty.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Rainy first two hours. Cloudy. Threatening remainder of watch. Calm first part. Gentle sea breeze from S. latter part of watch. Nimb clouds. At 12.20 swung to ebb. At 4 swung to flood.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Cloudy. Drizzling rain first part Wind light from S. and S.E. Bar rising. Sea smooth Flood tide At 5.30 Flag Ship made general signal 2985. Ans.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Cool. Light E.S.E. winds Nimbus cloud Obscured moonlight. Riding to flood

Signed L. P. Jerrett
Master

Moon's phase 2nd qr. Dec. S. 15°

Examined and found to be correct

Signed Asa Walker
Lieut Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, at 10th.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			NE	East	1-2	30.35	67	67	66	p	Cir Cum Nimb	0	S		
2			N	"	1-2	30.33	67	67	66	bc	"	2	"		
3			"	"	1-2	30.32	67	67	66	"	"	1	"		
4			"	"	1-2	30.32	67	67	67	"	"	3	"		
5			N by W	Calm	0	30.32	67	67	66	"	"	8	"		
6			NW	E	0-1	30.32	67	67	66	"	"	6	"		
7			NNE	"	0-1	30.34	68	68	67	"	"	7	"		
8			E	ESE	0-1	30.34	68	71	70	"	"	6	"		
9			SE	Calm	0	30.34	68	71	70	"	"	4	"		
10			SSE	"	0	30.34	70	71	70	"	"	5	"		
11			S by E	SE	3	30.35	70	70	70	"	"	0	"		
Noon.			South	South	3	30.35	70	71	70	"	"	3	"		

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1700 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by E	S by E	4	30.32	70	71	70	bc	Cir Cum Nimb	7	S
2	SW by S	SSE	5	30.28	70	71	70	"	"	6	"
3	NE by N	"	4	30.27	70	71	70	"	"	2	"
4	NNE	SSE to SSW	3	30.27	70	71	70	"	"	2	"
5	East	SE	2-3	30.26	70	71	70	"	"	3	"
6	SE	"	2	30.26	70	71	70	"	"	3	"
7	SSE	"	2	30.26	71	71	70	"	"	2	"
8	SE by S	"	0-1	30.27	71	71	70	"	"	2	"
9	SSE	"	2	30.27	71	71	70	"	"	1	"
10	S	"	1	30.25	71	71	70	"	"	1	"
11	S by W	Calm	0	30.25	71	70	70	"	o	0	"
Mid.	"	"	0	30.20	71	70	70	"	bc	1	"

Longitude by Chronometer from Afternoon Observations	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy but pleasant. Wind light from [blank] Bar[ometer]. falling
Sea smooth Ebb tide Weather clearing towards end of watch

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear and pleasant Calms and light airs from E. and E.S.E. Ebb tide slack
water at 6.45 At 7.30 Flag Ship made general signal 3351. At 7.50 she made prep[atory] 5456
and at 8.55 general 5456. Answered. At 8 loosed sail to a bowline. Received fresh provisions for
crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Cloudy Threatening rain Misty. Calm first part Gentle sea breeze from
S.E. shifting to S. latter part. At 9.15 exercised at general quarters. George Boyce was
appointed 1st seargt. [sergeant] from 24th August. Riding to flood. By order of Comdr W. H.
Danforth (OS) was placed in double irons for sleeping on his watch. N. Lynch (OS) was
released from confinement and restored to duty. The following men absent without leave P.
Kincade (Lds) T. Kelly (C. of T.) Pedear Olsen (Sea) James Flynn (P.M.) M. Maugan (O.S.)
Henry Lemnee [unreadable] P. H. Emmons AS

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear first two hours. Cloudy last two Gentle to stiff breeze varying from
S. to S.S.W. H.M.S. Voliage got underway and stood out to sea. At 3.10 Flag Ship made prep
4826 and then gen. 4826 Ans. and furled sail. By order of Comdg Officer J. L. Keag (B.M.) was
temporarily confined without irons for fighting.

Signed Saml. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Gentle sea breeze from S.E. dying out towards end of watch Cir.
Cum. Nimb clouds At 5 swung to flood. At 5 Flag Ship made prep 2982. Ans

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Cloudy. Pleasant. Light breeze from S.E. first two hours. Calm last two
Flood tide.

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			South	Calm	0		30.29	71	70		bc	Cir Cum	5	S		
2			NNW	"	0		30.29	71	70		"	"	5	"		
3			N by W	ENE	0-1		30.25	70	70		"	"	3	"		
4			"	"	0-1		30.21	69	70		"	"	4	"		
5			NW	NE	1		30.21	69	70		"	Cir Cum Nimb	7	"		
6			"	"	1		30.21	69	70		"	"	5	"		
7			WNW	NNE	1		30.24	69	69	68	"	"	4	"		
8			N by E	"	1		30.24	69	69	68	"	"	3	"		
9			SSE	"	0-1		30.27	70	70	69	"	"	6	"		
10			S by E	NNW	0-1		30.28	70	72	71	"	Cir Cum	8	"		
11			South	"	1		30.28	70	72	71	"	"	8	"		
Noon.			"	SSE	2		30.28	70	73	72	"	"	8	"		

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		50 gallons.
Water Received during the preceding 24 hours		1500 "
Water remaining on hand fit for use at noon		1950 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.											
1	S by E	S by E	3	30.28	71	75	71	"	"	9	S
2	SW by S	"	4	30.23	72	73	72	"	"	9	"
3	NW by W	South	4-5	30.20	72	73	72	"	"	5	"
4	N	SSW	4	30.20	72	73	72	"	"	4	"
5	NNE	SE by E	4	30.17	72	75	74	"	"	6	"
6	SW	SSE	5	30.17	72	75	74	"	"	5	"
7	SW by S	ESE	2	30.17	73	73	73	"	"	7	"
8	S by E	SE	1	30.17	73	73	72	"	"	8	"
9	SSE	East	2	30.18	73	73	71	"	"	5	"
10	"	ENE	3	30.18	72	73	71	"	"	4	"
11	South	"	2	30.18	72	73	71	"	"	7	"
Mid.	SSE	Calm	0	30.18	71	71	70	"	"	4	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations *	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by Amplitude observed at Sunset	0 <td>1 <td>11</td> </td>	1 <td>11</td>	11
Variation of the Compass by at	0 <td>1 <td></td> </td>	1 <td></td>	

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partially clear. Cool. Calm and light airs from N. and E. Cir. Cum clouds. Bright moonlight. At 1.30 swung to ebb By order of Comdr. W.C. Robinson (Lds) stood middle watch for punishment.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy. Pleasant. Light airs from N.E. and N.N.E. At 7.30 Flag Ship made general signal 3351. Ans[wered]. Ebb tide

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear and pleasant. Light airs from N.N.E. and N.N.W. first part. Light breeze from S.S.E. last hour. Flood tide. At 8.55 Flag Ship made prep 5457 and then general signal 5457. Ans. Loosed sail and crossed royal yards. At 9.30 inspected at quarters. Exercised at company and at dress parade. Received 1300 gals. fresh water

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear first part of watch. Cloudy latter part. Gentle to stiff breeze from S. by E. to S.S.W. Enlisted George Alexander as Lds [landsman] for the cruise of the "Essex" special service from the 1st instant inclusive John L. Kerry (B.M.) was released from confinement and restored to duty by order of Comdr. At 1 Flag Ship made prep. 4826 and then gen[eral] 4826. Furlled sail Swung to ebb at 2.45.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Moderate breeze to light airs varying from S.S.E. to S.E. by E. Swung to flood at 4.45. At 5.05 Flag Ship made prep 6140 and then general 6140. Ans and sent down light yards and T. G. Masts. Bent light sails. At 5.45 Flag Ship made prep sig. 2985. Answered.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Pleasant light to gentle from E. to E.N.E. Calm last hour. Bright moonlight. Pedear Olsen Sea and Thomas Kelly C of T. returned from liberty Flood tide.

Signed C. B. T. Moore
Ensign

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S by W	Calm	0	30.13	70	70	69	bc	Cir Cum	8	S			
2			NNW	NW	1	30.13	70	70	69	bcm	"	6	"			
3			N by W	"	3	30.13	70	70	69	"	"	7	"			
4			NNE	"	2	30.13	70	70	69	"	"	8	"			
5			"	"	2	30.15	70	69	69	"	"	8	"			
6			NE	E	2	30.17	69	69	69	"	"	8	"			
7			"	"	1-2	30.18	69	69	68	"	"	7	"			
8			WSW	"	1-2	30.18	69	70	68	"	"	5	"			
9			South	NNW	1	30.19	69	72	69	"	"	7	"			
10			"	"	1	30.20	70	73	60	"	"	8	"			
11			"	"	0-1	30.20	71	74	71	"	"	5	"			
Noon.			"	SSE	1	30.18	72	74	72	"	"	5	"			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			450 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2500 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	South	SE	2	30.15	72	74	72	bcm	Cir Cum	5	S
2	SW by W	South	2	30.12	73	75	73	"	"	3	"
3	N	"	2	30.10	73	76	74	"	"	4	"
4	"	"	2	30.10	73	77	76	"	"	3	"
5	NNW	SE	1	30.10	75	79	77	"	"	4	"
6	W	"	1	30.10	75	77	76	"	"	3	"
7	SW by S	Calm	0	30.10	75	76	75	"	"	5	"
8	SSW	"	0	30.10	74	75	74	"	"	3	"
9	S by W	W	0-1	30.10	74	76	74	"	"	3	"
10	SSW	"	0-1	30.10	73	74	73	"	"	2	"
11	South	"	1-2	30.10	73	73	73	"	"	1	"
Mid.	"	"	1-2	30.10	72	73	73	"	"	2	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday September 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and misty Calm first hour Light airs to gentle breeze
remainder of watch Swung to flood at 1.45. By order of Comdr. W. C. Robinson (Lds) stood mid
watch on quarter deck.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather partially cloudy. Pleasant. Wind light from N.W. and E. Barometer
rising. Sea smooth. Swung to flood at 7.45. At 7.30 Flag Ship made general signal 3351.
Ans[wered].

Signed C. K. Curtis
Lieut

From 8 A. M. Cloudy. Pleasant. Misty. Light airs from N.N.W. first 3 hours Sea breeze set in at
11.30 At 9 Flag Ship made prep[atory] 5461 and then hoisted annulling pennant. At 9.15
inspected at quarters Exercised 1st and 2nd Division at great guns and Marine Guard at squad
instruction. P. A. Paymaster H. T. Stancliff went on leave of absence for 5 days. Flood tide

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Partially cloudy Warm. Pleasant. Wind light from S.E. and South.
Barometer falling Sea smooth At 3.30 Flag Ship made general signal 2984 Ans At 3.40
exercised at light yards. Henry Lawrence (2cF) returned from liberty.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy. Pleasant. Light airs first two hours from S.E. Calm last two. Swung to
flood at 8.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Foggy and misty. Light airs and light breeze from West.
Barometer steady. Sea smooth. Flood tide. P. H. Emmons A.S. returned from liberty.

Signed C. K. Curtis Lieut

Moons phase 3rd qr. Dec. 1 °

Examined and found to be correct

Signed Asa Walker
Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW by S	WNW	1		30.08	71	73	72		bc	Cir Cum	4		S
2			WNW	NW	0-1		30.08	71	73	72		"	"	5		"
3			NNW	Calm	0		30.06	71	72	71		"	"	6		"
4			"	"	0		30.06	71	71	70		"	"	7		"
5			"	"	0		30.06	71	70	72		"	"	8		"
6			NW by N	North	0-1		30.08	71	70	72		"	"	6		"
7			NNW	"	0-1		30.08	71	70	71		"	"	7		"
8			"	"	1		30.10	71	71	70		"	"	7	"	
9			WSW	"	1		30.10	71	72	71		"	"	6	"	
10			South	"	1		30.10	72	71	71		"	"	6	"	
11			"	"	1-2		30.10	73	75	73		"	"	6	"	
Noon.			"	"	1-2		30.08	74	76	71		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			200 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			2300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SSE	NE	2	30.06	75	77	75	bcz	Cir Cum	7	S
2	SE by E	"	3	30.08	75	78	75	"	"	7	"
3	NNE	"	3	30.08	76	79	75	"	"	7	"
4	N by E	Calm	0	30.08	76	79	75	"	"	8	"
5	NNW	"	0	30.08	76	81	77	"	"	8	"
6	NW by N	"	0	30.08	76	79	78	"	"	8	"
7	NNW	"	0	30.08	76	78	76	"	"	8	"
8	SW	"	0	30.08	75	77	76	"	"	8	"
9	SSW	"	0	30.00	75	77	75	"	"	8	"
10	S by W	"	0	30.00	75	77	75	"	"	8	"
11	South	"	0	30.00	74	76	75	"	"	8	"
Mid.	"	"	0	30.00	74	76	75	"	"	8	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and pleasant. Light airs from W.N.W. to N.W. first two hours. Calm last two. Swung to ebb at 2.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Misty. Light N[orther]ly airs. Cir. Cum clouds. At 7.30 Flag Ship made general signal 3351. Ans[wered]. Received on board fresh provisions for crew. Riding to ebb. Large English steamer P.S.N.C came in.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Partially cloudy. Warm. Light breeze from N. Barometer falling Sea smooth. Swung to flood at 9.15. At 8.45 Flag Ship made prep[oratory] sig[nal] 5461 and at 8.50 general signal 5461. Ans. Crossed light yards and loosed sail. At 9.30 inspected at quarters exercised Company B at single sticks. Marine Guard at manual Herman Meyer OS2c was released from confinement and restored to duty time of sentence having expired.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Warm. Gentle N.E. breeze dying out towards end of watch. Cir Cum clouds. Hazy At 1 Flag Ship made general signal 4826. Ans. Furled sail. Swung to ebb at 2.30. At work repairing new topsails.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Hazy. Warm. Calm. Sky clear. Barometer steady Sea smooth Tide turned flood at 7.15 At 5 Flag Ship made prep sig 6070. Ans. Sent down royal yards. Michael Maugan OS returned from liberty.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Clear. Damp. Calm. Cir. Cum clouds Bright moonlight. Riding to flood

Signed L. P. Jerrett
Master

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil SA

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M.														
1			SSW	Calm	0		29.99	73	73	75	bcm	Cir Cum	10	S
2			SW by W	"	0		29.99	73	75	75	"	"	10	"
3			NNW	"	0		29.97	73	74	73	"	"	10	"
4			"	"	0		29.97	73	73	72	"	"	10	"
5			"	"	0		29.97	73	73	72	"	"	9	"
6			NW by N	NNW	0-1		29.98	73	73	72	"	"	8	"
7			"	"	0-1		30.00	73	72	72	"	"	8	"
8			NW	"	1		30.00	74	74	72	"	"	9	"
9			WNW	"	1		30.00	74	74	72	"	"	9	"
10			SSW	N	1		30.00	74	74	73	"	"	9	"
11			S by E	"	1		30.00	75	70	74	"	"	9	"
Noon.			SSE	NE	1		29.98	76	70	75	"	"	9	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		400 gallons.
Water		"
Water remaining on hand fit for use at noon		1900 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.														
1			South	NE	2-1		29.95	77	79	77	bm	None	10	S
2			S by E	"	2-1		29.95	78	81	77	bm	"	10	"
3			NNW	N	1		29.92	78	81	78	"	"	10	"
4			"	"	0-1		29.92	78	81	78	"	"	10	"
5			"	Calm	0-1		29.91	78	82	81	bcm	Cir Cum	9	"
6			"	"	0		29.90	78	81	78	"	"	9	"
7			"	"	0		29.90	78	81	78	"	"	9	"
8			WSW	"	0		29.90	78	78	77	"	"	9	"
9			SW by W	NNW	1		29.98	78	78	77	"	"	9	"
10			SSE	NW by N	1		30.00	78	78	77	"	"	9	"
11			S by E	NW	1		30.00	77	77	76	"	"	9	"
Mid.			S	"	0-1		30.00	71	77	76	"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Hazy. Pleasant. Calm Sky cloudless Moonlight Barometer falling slowly. Sea smooth. Tide turned ebb at 2.30

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear sky. Misty Calms and light airs from N.N.W. Ebb tide. At 7.30 Flag Ship made general sig[nal] 3351. Ans[wered]. Received fresh provisions for crew. Philip Kincade (Lds) returned on board.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear Warm. Light airs from N. Cir Cum clouds At 9.15 exercised at fire quarters. At 10.30 swung to flood. Large English steamer P.S.N.C. went to sea. By order of Comdg Officer Thomas Kelly (C of T) was placed in solitary confinement for smuggling liquor Theodore Berthelsen Lds 2 hrs extra duty for not keeping mess gear clean.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and misty Warm Light airs to light breeze from N.E. and N. At 2.55 swung to ebb. At 3.30 Flag Ship made general signal 2984 Ans.

Signed Saml C. Lemly
Ensign

From 4 to 8 P.M. Clear. Warm. Calm. At 5.10 made interrog[atory] signal 6177. Flag Ship 904. Shifted topsails Slack water at 8.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear. Misty. Calm. Pleasant. Moonlight Light airs from N.W. Swung to flood at 8.30

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			S.W.	Calm	0		29.90	78	78	76		bcm	Cir Cum	9		S
2			"	"	0		29.90	78	78	76		"	"	9		"
3			WNW	"	0		29.90	777	77	76		"	"	9		"
4			"	"	0		29.90	77	77	76		"	"	9		"
5			"	NNW	1		29.98	75	75	73		"	"	5		"
6			"	"	0-1		29.98	75	75	73		"	"	4		"
7			West	Calm	00		30.90	74	74	74		"	"	2		"
8			"	"	0		29.92	76	76	75		"	"	2	"	
9			SW by S	NNE	0-1		29.92	77	77	76		"	"	5	"	
10			"	E	1		29.95	77	77	76		"	"	6	"	
11			"	SE by S	1		29.95	78	78	77		"	"	8	"	
Noon.			SSE	SSE	1		29.95	78	78	77		"	"	8	"	

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	S by E	South	4	29.95	76	78	77	bcm	Cir Cum	9	S
2	SSE	"	4	29.92	76	76	74	"	"	9	"
3	"	"	4	29.90	76	76	74	"	"	9	"
4	N by E	"	4	29.90	75	75	74	"	"	9	"
5	NNW	"	4	29.90	75	76	75	"	"	9	"
6	N by E	"	3	29.90	74	75	73	"	"	9	"
7	NNE	"	2	29.88	73	74	73	"	"	9	"
8	SW by W	SSE	3	29.88	73	73	72	"	"	8	"
9	SSW	SSW	4	29.90	73	73	71	"	"	8	"
10	South	"	3	29.90	73	72	71	"	"	8	"
11	"	Calm	0	29.90	73	72	71	"	"	4	"
Mid.	"	"	0	29.90	73	72	71	"	"	2	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Misty. Pleasant. Calm. Cir Cum clouds. Bright moonlight
At 2.30 swung to ebb

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy. Misty. Pleasant. Light airs from N.N.W. first part. Calm latter part At
7.30 Flag Ship made general signal 3351. Ans[wered]. H.M.S. Voliage came in and anchored.
Ebb tide

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Clear. Misty. Warm Light airs varying from N.N.E. to S.S.E. Swung to
flood at 8.45. By order of Comdr. W. H. Danforth was released from confinement and restored
to duty

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Pleasant. Moderate sea breeze from S. Cir Cum clouds Three
large French steamers came in and anchored Swung to ebb at 3.30

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear. Misty. Damp. Light to gentle breeze from S. and S.S.E. Ebb tide slack
water at 7.30

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Damp Moderate breeze first part from S.S.W. Calm latter part
Flood tide

Signed C. B. T. Moore
Ensign

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots. Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
		Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1		S by E	ENE	1		29.91	72	72	71		bcm	Cir Cum	3	S	
2		South	WNW	0-1		29.91	72	72	71		"	"	1	"	
3		S by W	SSW	3-6		29.91	72	72	71		bcqn	"	5	"	
4		W	"	3-5		29.91	72	72	71		"	"	6	"	
5		NW	"	2-3		29.92	72	72	71		bcm	"	3	"	
6		NNW	"	2-3		29.97	72	73	72		"	"	1	"	
7		NW	"	3-4		30.01	72	74	72		"	"	1	"	
8		NW by W	"	2-3		30.02	73	74	73		od	"	0	"	
9		WSW	Calm	0		30.02	73	74	75		om	"	0	"	
10		SW	NNW	2		30.02	73	75	75		"	"	0	"	
11		"	NW	2		29.99	74	76	74		"	"	0	"	
Noon.		SSE	WNW	2		29.96	74	76	74		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1250 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.															
1		SE by S	NE	1-2		29.90	74	77	75		or	Cir Cum Nimb	0	S	
2		SSE	"	1-2		29.90	74	77	76		"	"	0	"	
3		S by W	"	1-2		29.90	75	77	76		"	"	0	"	
4		SE by S	SE by S	2-3		29.90	75	77	76		bcm	"	1	"	
5		N	SSE	3		29.95	74	75	74		ocm	"	0	"	
6		W	"	3		29.98	73	75	73		"	"	0	"	
7		"	"	3		30.00	73	74	72		"	"	0	"	
8		SW	"	3		30.02	73	74	72		bcm	"	2	"	
9		SSW	"	4		30.05	73	74	72		"	"	1	"	
10		"	"	3		30.05	74	74	72		"	"	1	"	
11		"	"	2-3		30.05	74	74	73		"	"	1	"	
Mid.		"	"	1-2		30.08	74	74	73		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Misty. Damp. Light airs from E.N.E. and N.N.W. first two hours Gentle to fresh breeze from S.S. W. last two. Flood tide Slack water at 3.15

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather overcast Cloudy and misty. Drizzling rain last hour of watch Bar[ometer] rising. Sea smooth Ebb tide At 7.30 Flag Ship made general sig[nal] 3550. Ans[wered].

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Overcast and misty. Calm first hour Light breeze remainder of watch from N.N.W. to W.N.W. At 9.43 had divisional inspection At 10 Comdg Officer inspected ship and crew at quarters afterwards read prayers Upon recommendation of Surgeon sent P.A. Emmons AS. To hospital on shore by order of Comdg Officer Sent a liberty party on shore Swung to ebb at 12.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast. Misty. Light to gentle variable breeze Bar. steady Sea smooth Swung to flood at 1.30.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Overcast. Misty and pleasant. Moderate sea breeze from S.S.E. Swung to ebb at 4.45 By order of Comdg. Officer confined Jns. Donovan 2CF in double irons for fighting and drunkenness.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy but pleasant. Wind light from S.S.E. Bar. rising. Sea smooth Flood tide

Signed C. K. Curtis
Lieut

Moons phase 3 qr. Dec. N. 20 °

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1			S by E	Calm	0	30.05	74	74	73		o	Cir Nimb	0	S	
2			"	"	0	30.05	73	74	73		"	"	0	"	
3			S by W	"	0	30.05	73	74	73		"	"	0	"	
4			"	SSW	2	30.06	73	73	72		"	"	0	"	
5			W	"	2	30.08	73	73	72		"	"	0	"	
6			NNE	"	1-2	30.08	73	73	72		od	"	0	"	
7			N by W	"	1-2	30.10	72	73	72		"	"	0	"	
8			NW by N	"	0-1	30.11	72	73	72		"	"	0	"	
9			SW	ESE	1	30.13	72	73	72		o	"	0	"	
10			"	"	1	30.15	72	73	72		"	"	0	"	
11			S by W	SSE	1-2	30.15	72	73	72		"	"	0	"	
Noon.			S	"	1-2	30.15	72	73	72		"	"	0	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		350 gallons.
Water during the preceding 24 hours		1900 "
Water remaining on hand fit for use at noon		2800 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.															
1			S by W	SSE	1-2	30.15	72	73	72		or	Cum Nimb	0	S	
2			"	NW	1-2	30.15	72	73	72		"	"	0	"	
3			South	SSW	3-4	30.15	72	73	72		"	"	0	"	
4			SSE	E	3-4	30.15	72	73	72		"	"	0	"	
5			NNE	"	2	30.11	73	73	72		ord	"	0	"	
6			NNW	"	1-2	30.13	73	73	72		orplt	"	0	"	
7			N	"	1-2	30.18	73	73	72		otl	"	0	"	
8			"	"	1-2	30.17	73	73	72		"	"	0	"	
9			NW	Calm	0	30.17	73	73	72		"	"	0	"	
10			NNW	N	1-2	30.17	73	73	71		or	"	0	"	
11			"	"	1-2	30.20	73	73	71		"	"	0	"	
Mid.			N	"	1-2	30.20	73	73	71		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

observed at Sunset

at

*

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and cool. Calm first three hours. Light breeze last hour from S.S.W. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Drizzling last half of watch. Cum Nimb clouds. Light breeze from S.S.W. At 5.30 swung to ebb Received in Pay. Dept. 155 lbs fresh beef and 155 vegetables for crew

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Cloudy and pleasant. Light airs and light breeze from E.S.E. shifting to S.S.E. Bar[ometer] rising slowly. Sea smooth Swung to flood at 8.30 At 10 exercised at guns [&] quarters Time casting loose. 1st Div 3 m[inutes] 15 [seconds], 2nd Div 1 m 30 s, Nav. Div 1 m, Pdr [Powder] 2 m 45 s. Secured in 2 m 45 sec. The following men absent without leave at 8 AM. Jas. Hackett (OS2c) John Babe 2cGr Francis Giles (3CT) Maurice Clark (C & C) James Hughes (2CF) Andrew McDonald Lds EF. Jns Donavan released from confinement and restored to duty. Crew engaged in overhauling blocks

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Rainy latter part of watch Wind moderate shifting from N.W. by way of S. to E. Cum Nimb clouds Ship riding to flood

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Weather cloudy and rainy. Thunder and lightening to S and W. Bar rising Sea smooth Swung to ebb at 4.20 All the men absent without leave returned on board at 4.30

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast Raining entire watch. Cum Nimb clouds Light N[orther]ly breeze Riding to ebb.

Signed L. P. Jerrett
Master

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			NW	South	1-2		30.20	73	73	71		o	Cum Nimb	0	S	
2			S	"	1-2		30.20	73	73	71		"	"	0	"	
3			"	"	1-2		30.15	73	73	71		"	"	0	"	
4			"	"	1-2		30.10	73	73	71		"	"	0	"	
5			SSW	S by W	1		30.08	73	72	72		bc	"	1	"	
6			W by N	"	2		30.10	72	72	72		"	"	1	"	
7			NNW	"	1		30.12	71	71	72		bc	Cir Cum	4	"	
8			NW by N	NE	3		30.13	71	72	72		om	"	0	"	
9			NNE	N	2-3		30.14	71	73	73		bc	"	1	"	
10			SW	"	1-2		30.18	72	74	74		bcm	"	6	"	
11			SE	"	0-1		29.99	73	73	74		"	"	5	"	
Noon.			N by E	"	0-1		29.96	74	76	74		"	"	5	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		200 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		2600 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1			South	SSE	5		29.96	74	76	75		bcm	Cir Cum	6	S	
2			"	S	4-6		30.00	74	76	75		"	"	4	"	
3			"	"	4		30.04	74	76	75		"	"	5	"	
4			S by W	"	3		30.04	74	76	74		"	"	2	"	
5			SSW	"	3-5		30.04	74	75	74		"	"	4	"	
6			"	"	5-6		30.06	73	74	73		"	"	5	"	
7			W by N	"	5-6		30.08	70	73	73		"	"	4	"	
8			NW	Calm	0		30.11	70	74	73		"	"	0	"	
9			W	NNW	2		30.15	74	74	73		oml	"	0	"	
10			SSW	NW	1		30.15	74	74	73		omlt	"	0	"	
11			SW	NNW	3		30.09	70	74	72		opb	"	0	"	
Mid.			SSW	"	2		30.09	72	74	70		o	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

*
observed at Sunset
at

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and threatening. Wind light from S. Bar[ometer] rising
Considerable swell setting into harbor Ship rolling about 5° each way. Obscured moonlight
Swung to flood at 1.45.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Misty. Light airs to gentle breeze from S. and S.W. shifting to N. last
hour. Long swell from S. Swung to ebb at 6.15. At 7.30 Flag Ship made general signal 3351
Ans[wered] Received fresh provisions for crew.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast 1st hour. Clear remainder of watch. Cir Cum Nimb clouds At
8.45 Flag Ship made general signal 5455 Ans and loosed sail Engaged in breaking out hold.
Rove off new flying jib hallards. At 9.30 ship swung to flood. At 11.30 swung to ebb. Light
breeze from N.E. entire watch.

Signed R. H. Henderson
Midn

From Merid. to 4 P.M. Cloudy. Misty Gentle to fresh breeze from S.S.E. and S. Flood tide At 1
flag Ship made prep 4826 and then general 4826. Ans and furled sail At 2 Flag Ship made
general sig 1087. Ans and sent boat. Engaged in breaking out and slowing hold.

Signed Sam. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Very damp Moderate to stiff sea breeze from S. blowing in squalls last
two hours. Riding to flood. At 4.30 Flag Ship made gen. sig. 2985. Ans. Slack water at 6. Long
swell from seaward Swinging to ebb at 7.30 Wind died out towards end of watch Lightening to
S.

Signed R. H. Henderson
Midn

From 8 P.M. to Mid. Overcast. Misty. Passing showers 2nd hour Thunder and lightening first two
hours. Tide turned flood at 9.30 Long swell from S

Signed Saml. C. Lemly
Ensign

Examined and found to be correct

Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Rio de Janeiro Brazil S.A.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			SW	NW	1-2		30.08	74	74	73		bcm	Cir Cum Nimb	2	S	
2			W	Calm	0		30.08	74	74	73		"	"	3	"	
3			SSW	"	0		30.08	74	74	73		"	"	3	"	
4			"	"	0		30.08	74	74	73		"	"	3	"	
5			S by E	"	0		30.05	73	74	73		"	"	5	"	
6			SSE	"	0		30.05	73	74	72		om	"	0	"	
7			NNW	WNW	0-1		30.07	72	73	72		"	"	0	"	
8			"	NW	0-1		30.10	72	73	72		bcm	"	2	"	
9			NW	NNW	0-1		30.10	75	75	74		"	"	1	"	
10			WNW	"	1		30.10	74	75	74		"	"	3	"	
11			SSW	"	2		30.10	74	76	74		"	"	3	"	
Noon.			South	SSE	3		30.10	74	76	74		"	"	6	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																
1			S by E	"	5		30.05	74	75	74		bcmf	"	6	S	
2			South	South	4		30.02	74	75	74		"	"	4	"	
3			"	"	4		30.02	74	75	74		"	"	4	"	
4			"	"	4		30.00	74	75	74		"	"	5	"	
5			SSW	S by W	4		30.00	74	75	74		bcm	"	4	"	
6			SW by S	"	2		30.00	74	75	74		"	"	6	"	
7			W by S	Calm	0		30.00	74	75	74		"	"	6	"	
8			NNE	SW	1		30.00	75	76	75		"	"	7	"	
9			NW	Calm	0		30.07	76	76	75		"	"	9	"	
10			SW	"	0		30.07	76	77	75		"	"	9	"	
11			"	"	0		30.02	76	77	75		"	"	9	"	
Mid.			SE by E	"	0		30.02	76	77	75		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations * ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Damp. Calm. Riding across the harbor first two hours
Obscured moonlight. At 3.30 swung to flood.

Signed R. H. Henderson
Midn

From 4 to 8 A.M. Cloudy and misty Calm first part from W.N.W. and N.W. At 7.30 Flag Ship
made general signal 3351. Ans[wered]. Swung to ebb at 6.30.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Misty. Pleasant. Light airs to gentle breeze from N.N.W. and
S.S.E. Swung to flood at 10.30 At 9.15 inspected at quarters At 9.45 made interrog[atory] signal
3359. Flag Ship ans. 904. By order of Comdr Thomas Kelly C. of T. was released from
confinement Received in Equip Dept 400 lbs flax canvas and 2 bbls twine and in Pay. Dept 108
bags bread and 5 bbls coffee Engaged in setting up topmast rigging Received from Misrecordia
Hospital notification of the death of P. A. Emmons O.S.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Pleasant. Foggy. Moderate to stiff breeze from S.S.E. to South.
At 3.30 Flag ship made general signal 2984. Ans. and at 3.30 prep[eratory] 5040. Ans. Engaged
in storing bread below and staying masts. Flood tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy. Misty. Calm and light breeze to light airs from S. by W. and S.W. At
sunset went to quarters and served out clean hammocks. Sent flying jib F.T.M. staysail with gaff
topsail. Swung to ebb at 7.15.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Misty. Calm. Long swell. Ship rolling easily. Swung to flood at 11.

Signed C. B. T. Moore
Ensign

Examined and found to be correct

Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1			W by S	Calm	0	30.00	74	74		bcm	Cir Cum	8	S		
2			NNW	NE	0-1	30.00	74	74		"	"	9	"		
3			N by W	"	1	30.00	74	74		"	"	8	"		
4			W	"	1	30.00	74	74		"	"	8	"		
5			SW by W	"	1-2	30.00	74	74	73	"	"	8	"		
6			WSW	North	1	30.00	74	74	73	"	"	8	"		
7			N by W	Calm	0	30.00	74	74	73	"	"	8	"		
8			"	Calm	0	30.08	74	75	74	"	"	8	"		
9			NNW	"	0	30.00	76	77	76	"	"	8	"		
10			NW	"	0	30.00	76	77	76	"	"	8	"		
11			SSW	"	0	29.98	76	78	76	"	"	8	"		
Noon.			S by W	South	0	29.95	75	78	75	"	"	8	"		

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			450 gallons.
Water		during the preceding 24 hours	"
Water remaining on hand fit for use at noon			1950 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SSW	South	1	29.93	77	80	77	bcm	Cir Cum	8	S
2	S by E	"	1	29.90	78	81	78	"	"	8	"
3	WSW	"	2	29.90	79	82	79	"	"	8	"
4	SW	"	2	29.87	79	82	79	"	"	8	"
5	SSE	"	2	29.90	80	83	80	"	"	8	"
6	"	Calm	0	29.90	80	82	80	"	"	8	"
7	N	NNW	1	29.90	80	82	80	"	"	9	"
8	N by W	"	1	29.90	80	82	80	"	"	9	"
9	NNW	NW	1	29.91	79	81	78	"	"	5	"
10	NW	"	1	29.91	78	79	77	"	"	5	"
11	WSW	"	1-2	29.91	78	79	77	"	"	5	"
Mid.	W by N	"	1-2	29.91	77	79	77	"	"	5	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Misty and damp. Calm and light airs from N.E. Swung to ebb. Swung to ebb at 6.15 Long swells from S. Slack water at 3.30.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Weather clear and warm. Misty around horizon. Bar[ometer] steady Sea smooth. Tide turned ebb at 6.15. At 7.30 Flag Ship made general signal 3351. Ans.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear. Calm. Warm. Sea breeze set in at 11.30. Misty around horizon. At 8.45 Flag Ship made prep 5455. Ans[wered]. and loosed sail. Brought to [blank space] afresh and hoisted in launch. Received in Equip. Dept 50 galley grate bars. Swung to flood at 11.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear. Warm. Misty around horizon Bar. falling sea smooth Flood tide Wind light from south. At 1 Flag Ship made prep 4826 and gen[eral] 48216. Ans. and furled sail. At 1.20 made interrog[etory] 2918. Flag ship answered 904. At 2 went to quarters and turned in clean hammocks Received in Pay Dept. 100 yds sheeting, 50 doz. Pearl buttons 100 pieces of tape, 8 bbls sugar, 6 bbls beans 1 bbls of molasses 2 boxes black tea 5 doz tins blacking and 3 bolts cloth. Lighter with coal and provisions came alongside at end of watch Received in Engineers Dept 3 bbls lime.

Signed C. K. Curtis
Lieut

From 4 to 8 P.M. Clear and warm Misty around horizon Light breeze from S. first hour Light breeze commenced at 7. Swung to flood at 7.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Misty . Wind light from S.W. Bar steady Sea smooth. Tide turned flood at 10.30

Signed C. K. Curtis

Moons phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1			North	NNW	2		29.90	77	78	77		bc	Cir Cum	9		S
2			"	"	2		29.89	77	78	77		"	"	9		"
3			"	"	3		29.87	77	78	75		"	"	9		"
4			NW	WNW	5		29.87	77	78	76		"	"	8		"
5			"	NW	3-5		29.89	77	78	76		"	"	8		"
6			WSW	"	3-4		29.90	78	78	76		"	"	7		"
7			WNW	"	2-3		29.90	78	80	76		"	"	7		"
8			"	"	2-3		29.90	79	82	76		bcm	"	7	"	
9			NW	"	2-3		29.93	81	84	77		"	"	6	"	
10			NW by N	"	2-3		29.95	82	85	79		"	"	6	"	
11			"	NNW	2-3		29.95	82	86	82		"	"	6	"	
Noon.			"	"	2-3		29.95	84	88	82		"	"	6	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			184 gallons.
Water Received during the preceding 24 hours			1300 "
Water remaining on hand fit for use at noon			2802 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.											
1	SW		3	29.92	82	85	82	bcm	Cir Cum	5	S
2	"	"	3-5	29.90	80	82	79	"	"	5	"
3	WSW	SSW	3-4	29.90	78	81	78	"	"	6	"
4	S	S	4	29.90	78	82	77	"	"	6	"
5	SW by S	"	3	29.95	78	82	78	"	"	5	"
6	N	NE	1-2	29.97	78	82	78	"	"	5	"
7	NE	"	1-2	29.97	78	81	79	"	"	6	"
8	E	"	0-1	30.03	79	79	78	"	"	4	"
9	N by W	"	0-1	30.03	79	79	77	"	"	3	"
10	NNW	E	1	30.03	79	79	77	"	"	5	"
11	NE	"	2	30.03	78	78	77	"	"	0	"
Mid.	E	"	3	30.03	78	78	76	"	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1 2
Variation of the Compass by Amplitude	observed at Sunset	0	1 2
Variation of the Compass by	at	0	1 2

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant Light to stiff breeze from N.N.W. to W.N.W. Ebb tide.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Warm. Gentle breeze from N.W. and N.W. by N. Bar[ometer] steady. Sea smooth. Cir Cum clouds. Riding to ebb. At 7.30 Flag Ship made general signal 3351. Received on board fresh provisions for sea.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Clear. Warm. Gentle breeze from N.W. and N.W. by N. Bar. steady. Sea smooth. At 9.05 made interrog[atory] 6143. Flag Ship answered 904. Ans[wered] and sent down top gallant yards. At 9.25 made interrog[atory] signal 6177. Flag Ship answered 904 shifted topsails. Received in Pay Dept 15 boxes tobacco Got spare anchor inboard and stored it in fore hold. Transferred Louis Roth (AS) to Hartford with accts [accounts] and papers. Jeremiah O' Brien 1CF was sent to hospital with bag and hammock.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Warm. Moderate to stiff sea breeze from S. W. shifting to South. Cir Cum clouds. Rigged in first cutter. John Kirk (Sea) jumped from gig while on shore Riding to flood.

Signed L. P. Jerrett
Master

From 4 to 8 P.M. Partially cloudy and misty. Gentle breeze from S. first hour shifting to N.E. and decreasing to light airs at end of watch Bar. rising Sea smooth. Tide turned ebb at 4.30. Engaged in making preparations for sea. Received from Hartford Henry Mullins (AS2c) with trumpet, papers, bag and hammock.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast Damp Light breeze from E. Riding to wind Cum Nimb clouds.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec. N. 25°

Examined and found to be correct

Signed Asa Walker
Lieut & Navigator.

Hour.	Knots.	Direction.	Force.	Leeway.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
					Direction.	Force.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1		ENE	SSW	0-1	30.05	77	77	75			om	Cir Nimb	0	S			
2		N by W	"	1-2	30.05	75	75	74			"	"	0	"			
3		NNW	"	2	30.05	75	75	74			odm	"	0	"			
4		N by W	"	3-4	30.05	75	75	73			"	"	0	"			
5		S	"	3	30.00	75	74	73			"	"	0	"			
6		S by W	"	3	30.06	75	74	73			or	"	0	"			
7		SSW	"	2	30.10	75	73	73			ocl	"	0	"			
8		SW	SW	2	30.13	74	73	73			"	"	0	"			
9		"	"	2	30.15	73	72	70			"	"	0	"			
10		"	"	3	30.17	71	72	70			"	"	0	"			
11		"	"	3-4	30.18	70	70	69			"	"	0	"			
Noon.		Got underway	"	3-5	30.19	69	69	68			"	"	1	"			

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			240 gallons.
Water			"
during the preceding 24 hours			"
Water remaining on hand fit for use at noon			2562 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"	"	"

P.M.													
1	3	6	SSE	SW	5-6	30.19	67	67	65	oqd	Cum Nimb	0	N
2	5	6	"	"	5-6	30.18	66	66	64	"	"	0	"
3	5	6	"	"	5-6	30.16	66	66	64	"	"	0	S
4	6	4	SE by E	"	5-6	30.16	65	65	64	"	"	0	"
5	7	3	SE 1/2 E	"	5-6	30.16	66	66	66	"	"	0	0
6	6	0	"	"	5-6	30.19	67	68	66	"	"	0	0
7	7	0	SE by E	SSW	5-6	30.19	66	67	67	"	"	0	0
8	7	0	"	"	5-6	30.19	66	67	67	"	"	0	0
9	6	5	"	"	4-5	30.23	67	68	67	oqr	"	0	"
10	5	5	"	"	4-5	30.23	67	68	67	opq	"	0	"
11	6	0	E	SSE	3-5	30.23	68	68	67	op	"	0	"
Mid.	6	6	E by N	SE by S	3-4	30.23	68	68	67	or	"	0	"

Longitude by Chronometer from Afternoon Observations \oplus		0	1	2
Longitude by Chronometer Observations	*	0	1	2
Variation of the Compass by Amplitude	observed at Sunset	0	1	2
Variation of the Compass by	at	0	1	2

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy and misty Light drizzling rain greater part of watch.
Bar[ometer] steady. Sea smooth Ebb tide

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast. Light drizzling rain Light to gentle breeze from S.S.W. swung to flood at 4.30. At 5 started fires in 4 boilers Took off mooring swivel Hove up starboard anchor and to 45 fms [fathoms] port chain. Secured battery for sea. At 7.30 Flag ship made gen[eral] sig[nal] 3350. Ans[wered].

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast Drizzling rain Moderate sea breeze from S.W. At 8.45 made interrog[atory] 6069. Flag Ship answered 904 Crossed top gallant yards royal yards Sent Thomas Hackett to hospital. At 10.25 made interrog 4890. At 12 M got underway and stood out to sea under 4 boilers Draught for'd 14. Amid 14. Aft 16.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Overcast, disagreeable and threatening weather. At 12.25 took departure Fort Santa Cruz abeam. Ship heading S.S.E. At 3.10 at single reefed topsails and foresail. Steaming under 4 boilers Blowing very fresh winds from S. and W. Av[erage] steam pressure 60 lbs Rev[olutions] 42. Unbent chains and secured anchor for sea

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Weather cloudy and ugly Drizzling rain during entire watch. Wind fresh from S.S.W. Bar steady. Sea smooth. Ship under steam and reefed topsails foresail jib for topmast skysail main trysail and spanker. Av. steam pressure 60 lbs. Rev 44.

Signed [unreadable, either Moore or Curtis]

From 6 to 8 P.M. Weather cloudy and ugly. Drizzling mist entire watch. Wind fresh from S.S.W. Bar steady sea smooth Ship under steam and reefed topsails Foresail jib fore topmast skysail main trysail and spanker. Av steam pressure 60 lbs Rev 44.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Drizzling mist. Moderate to fresh wind from S.S.W. 1st part falling light and shifting to S. and E. latter part of watch. At 11 hauled up fore sail. Ship under double reefed topsails foresail jib f[ore] t[op] staysail man trysail and spanker. Av steam pressure 55 lbs. Rev 40. Full and by. Rough sea.

Signed L. P. Jerrett
Master

Examined and found to be correct

Lieut & Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town Cape Good Hope

			WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
Hour.	Knots.	<div>Courses steered.</div> TENTHS	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																
1	2	4	E by N	SE by S	2-7	30.20	67	67	66	71	od	Cum Nimb	0	M		
2	1	4	E by S	S by E	2-5	30.20	67	67	66	71	"	"	0	"		
3	1	4	ESE	South	2-3	30.18	67	67	66	72	"	"	0	"		
4	1	0	SE by E 1/2 E	"	2-3	30.18	67	67	66	71	"	"	0	"		
5	0	2	E by S	S by E	2-3	30.18	67	67	66	71	"	"	0	"		
6	0	2	E	"	1-2	30.18	67	68	67	72	"	"	0	"		
7	0	6	ENE	SE	3-4	30.23	67	67	67	72	"	"	0	"		
8	2	5	"	"	4-5	30.23	67	67	67	72	"	"	0	"		
9	3	0	SW by S	"	4	30.27	66	67	66	71	"	"	0	"		
10	3	5	SSW 1/2 W	"	4	30.27	66	67	66	71	"	"	0	"		
11	2	0	S by W	SE by E	4	30.27	67	68	66	71	"	"	0	"		
Noon.	2	0	"	"	3	30.27	67	68	67	71	"	"	0	"		
Distance run by Log since preceding Noon										93 knots		Tenths 9 fathoms.				
Latitude by D. R. at Noon										S 23 °	45	'	"			
Longitude by D. R. at Noon										W 42 °	2	'	"			
Latitude by Observations at Noon ⊕										°		'	"			
Longitude by Chronometer from Forenoon Observations ⊕										°		'	"			
Current during the time knots										fms. per hour, setting to the						
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°		"	"			
Variation of the Compass by Azimuth ⊕ observed at										°		"	"			
Water expended during the preceding 24 hours										332 gallons.						
Water during the preceding 24 hours																
Water remaining on hand fit for use at noon										2230						
Coal consumed during the preceding 24 hours										tons	lbs.					
Coal remaining on hand at Noon										"	"					
P.M.																
1	1	0	S 1/4 W	ESE	2-3	30.22	69	70	68	70	o	"	0	M		
2	2	4	S by W 1/2 W	SE by E	3-4	30.22	69	70	68	70	"	"	0	"		
3	4	0	"	"	4	30.20	69	70	68	70	"	"	0	"		
4	4	6	S by W	SE by E	4	30.20	69	70	68	70	"	"	0	S		
5	4	6	S by W 1/2 W	"	4	30.20	70	70	68	70	"	"	0	"		
6	5	0	SW 1/4 W	"	4	30.20	70	70	68	70	"	"	0	"		
7	4	7	S by W 1/2 W	"	5	30.22	69	70	68	72	"	"	0	"		
8	4	6	S by W 1/4 W	SE	6	30.20	69	70	68	72	bo	"	2	"		
9	4	8	SW by S 1/4 S	"	4-5	30.26	70	70	68	72	"	"	1	"		
10	4		S 1/2 W	ESE	4-5	30.26	71	70	68	72	"	"	1	"		
11	4		S 1/4 W	"	4-3	30.27	70	70	69	72	"	"	1	"		
Mid.	3	5	"	"	4-5	30.27	70	70	68	72	"	"	2	"		
Longitude by Chronometer from Afternoon Observations ⊕										°		'	"			
Longitude by Chronometer Observations										*	°		"			
Variation of the Compass by Amplitude										observed at Sunset		°		"		
Variation of the Compass by										at		°		"		

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and disagreeable. Light drizzling mist. Light to gentle breeze from S.E. by S. and S.E. At 12.05 sighted revolving light two points forward beam At 12.10 stopped steaming & uncoupled propeller. At 12.40 set foresail. At 12.55 revolving light bore N 1/2 E ship head E. At 1 hauled fires. At 2 sounded no bottom at 30 fms [fathoms]

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and drizzling mist. Light airs first part from S. by E. Gentle to stiff breeze latter part S.E. Sea moderate. At 5.15 sighted land bearing N. by W. Ships head E. At 7.30 shook reefs out of topsails and set T. G. sails. Barometer rising rapidly Hydrometer 26

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Weather overcast. Drizzling rain first half of watch. Bar. steady Sea moderate At 8 wore ship to S and W. Wind moderate to gentle from S.E. and S.E. by E. At 10.30 set royals single reefed mainsail and gaff topsail. Density sea water 27.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Cool. Moderate S.E. by E. breeze. Cum Nimb clouds. At 1 set flying jib Spoken by a German brig standing in for Cape Frio Exchanged colors with her At end of watch sail in sight 1 pt on lee beam German brig on lee quarter. Density sea water 25 Full and by

Signed L. P. Jerrett
Master

From 4 to 6 P.M. Overcast and pleasant. Moderate breeze from S. and E. At 6 furled royals and stowed flying jib Took single reefs in topsails. Density sea water 25. Full and by

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Cum Nimb clouds Stiff to fresh breeze from S.E. by S. and S.E. Sea moderate Bar[ometer] rising Density sea water 25.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Wind moderate from S.E. and N.E. Barometer steady Sea moderate. Ship under single reefed topsails T. G. sails single reefed mainsail jib foretopmast staysail and spanker. Weather cloudy towards end of watch Density sea water 26.

Signed C. K. Curtis
Lieut

Moons phase last qr. Dec. N. 27°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	3	8	SE 1/2 E	ESE 1/2 E	4		30.24	70	71	69		bc	Cir Cum	7	S	
2	4	4	"	"	4		30.20	70	71	69		"	"	8	"	
3	4	5	SE 1/4 E	"	4-5		30.20	70	71	68		"	St Cum Nimb	2	"	
4	4	8	"	"	4-5		30.20	70	70	68		"	"	3	"	
5	5	5	South	ESE	4-5		30.20	70	69	67		"	"	2	"	
6	6	0	SE 1/2 E	"	4-5		30.23	70	70	68		"	"	4	"	
7	5	5	S by E 1/4 E	E by S	4		30.24	70	70	68		"	"	6	"	
8	5	5	SSE 1/2 E	E	4		30.26	71	71	69		"	"	6	"	
9	5	0	SE by S	E by N	4		30.26	71	72	69		"	"	9	"	
10	4	7	"	"	4		30.25	72	73	70		"	"	9	"	
11	4	8	"	"	4		30.25	72	73	70		"	"	2	"	
Noon.	4	4	"	"	4		30.24	72	73	70		"	"	3	"	

[Note in left margin reads "Lat S 25° Long W. 42°"]

Distance run by Log since preceding Noon	104 knots	Tenths 7 fathoms.
Latitude by D. R. at Noon	South 25 °	23 ' "
Longitude by D. R. at Noon	W 41 °	55 ' "
Latitude by Observations at Noon ⊕	S 25 °	11 ' 6 "
Longitude by Chronometer from Forenoon Observations ⊕	W 42 °	3 ' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise		
Variation of the Compass by Azimuth ⊕ observed at 7.45 AM	Lat 22° 56'	
	Long W 42° 14'	
Water expended during the preceding 24 hours		270 gallons.
Water		
Water remaining on hand fit for use at noon		1960 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

[Note in left margin reads Lat S 25° 44' Long W 41° 37']

P.M.																
1	4	4	SSE 3/4 E	E by N	4		30.19	72	73	70	74	bc	Cir Cum	6	S	
2	4	5	SSE 1/2 E	"	4		30.18	72	72	69	74	"	"	6	"	
3	5	0	SSE 3/4 E	"	4-3		30.17	71	72	69	74	"	"	7	"	
4	5	8	SE by S	"	5		30.17	71	72	69	74	"	"	7	"	
5	5	8	"	"	5		30.18	71	72	69	74	"	"	7	"	
6	5	0	"	"	5		30.19	71	72	69	74	"	"	4	"	
7	4	8	"	"	4-5		30.18	71	71	68	74	"	"	4	"	
8	5	2	"	"	4-5		30.18	71	70	68	74	"	"	4	"	
9	5	0	"	"	5		30.20	71	71	69	74	"	"	2	"	
10	4	4	"	"	5-7		30.20	71	70	68	73	oq	"	0	"	
11	4	7	"	"	5-7		30.20	70	70	68	73	bcq	"	1	"	
Mid.	5	4	"	ENE	5-7		30.18	70	70	68	73	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"
Longitude by Chronometer Observations	*		°	'
Variation of the Compass by Amplitude	observed at Sunset		°	'
Variation of the Compass by	at		°	'

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear first part. Cloudy latter part of watch. Cir Cum Nimb clouds. Moderate to stiff breeze from E.S.E. Long swell from S. and E. Moon rose at 3.30. Full and by. Ship rolling and pitching considerable.

Signed S. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Moderate to stiff breeze from E. and S. At 7.30 shook out reefs set royals and flying jib. Full and by. Density sea water 25.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear first part. Cloudy latter part of watch. Pleasant moderate breeze from E. by N. Sea moderate Ship under all plain sail. Broke out and overhauled both bower chains. Ship pitching easily Long swell from S. and W. Density 26.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Wind moderate to fresh from E. by N. Bar falling slowly. Ship pitching easily. Long swell S. Ship under all plain sail to royals single reefed mainsail. Density sea water 26.

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Clear. Pleasant. Stiff breeze from E. by N. Cir. Cum clouds. At 5.50 took in royals and flying jib took one reef in topsails and set T. G. sails. Full and by. Long swell from S. Density sea water 26. Ship under single reefed topsails T. G. sails fore sail single reefed main sail jib foretopmast staysail gaff topsail and spanker.

Signed S. P. Jerrett
Master

From 6 to 8 P.M. Clear and pleasant. Moderate to stiff breeze from E. by N. Full and by. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy and pleasant. Stiff to very fresh breeze from E. by N. and E.N.E. Sea moderate, Barometer falling slowly latter part of watch. At 8.15 took in and furled T. G. sails Density sea water 26.

Signed C. B. T. Moore
Ensign

Moons phase last qr. Dec. N. 14°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

			WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.						
Hour.	Knots.	TENTHS.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.											
A.M.																						
1	5	2	SE by S	ENE	4-5		30.15	70	70	68	73	bc	Cir Cum Nimb	2	S							
2	5	4	"	"	4-5		30.13	70	70	68	72	"	"	2	"							
3	4	5	"	"	4-5		30.11	70	70	67	72	"	"	3	"							
4	4	8	"	"	4-5		30.10	70	70	67	72	"	"	4	"							
5	4	5	"	"	4-5		30.10	69	69	67	72	"	"	4	"							
6	4	5	"	E by N	4		30.12	69	69	68	72	"	"	4	"							
7	5	6	"	ENE 1/2 E	4		30.14	69	69	68	71	"	"	5	"							
8	5	6	"	"	4		30.17	69	69	68	71	"	"	4	"							
9	5	2	"	ENE	4		30.18	70	70	68	72	"	"	2	"							
10	5	0	SSE 3/4 E	E by N	4		30.18	70	70	68	72	o	"	0	"							
11	4	5	"	"	3-4		30.15	70	70	68	71	"	"	0	"							
Noon.	4	6	SE by S	"	4		30.15	70	70	68	71	"	"	0	"							
[Note in left margin reads "Lat S 26° 36" Long W 41° 8'"]																						
Distance run by Log since preceding Noon											119 knots	tenths										
Latitude by D. R. at Noon											South 26	o	48	'	"							
Longitude by D. R. at Noon											West 40	o	46	'	"							
Latitude by Observations at Noon ⊕											South 26	o	52	'	47	"						
Longitude by Chronometer from Forenoon Observations ⊕											West 40	o	57	'	"							
Current during the time 0 knots 5 tenths fms. per hour, setting to the											[Note on left margin reads "Sg. 615"]											
Variation of the Compass by Amplitude ⊕ observed at Sunrise											"											
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 26° 36' Long W. 41° 8' 30"											W 3	o	"									
Water expended during the preceding 24 hours											310 gallons.											
Water during the preceding 24 hours											"											
Water remaining on hand fit for use at noon											1650						"					
Coal consumed during the preceding 24 hours											tons		lbs.									
Coal remaining on hand at Noon											"		"									
P.M.																						
1	1	2	se by s se 1/2 s	ENE	4-5		30.12	69	70	68	70	o	"	0	S							
2	4		"	"	4		30.11	69	70	68	70	"	"	0	"							
3	4	4	"	"	4-5		30.08	69	69	67	70	"	"	0	"							
4	4	8	SE by S	E by N	5-6		30.05	69	69	67	70	"	"	0	"							
5	6	0	SSE 1/2 E	ENE	5-6		30.05	69	69	67	70	bc	"	2	"							
6	4	5	SSE 1/4 E	"	5-6		30.05	68	69	67	70	"	"	4	"							
7	3	6	SSE 3/4 E	"	5-6		30.05	69	69	68	69	"	"	2	"							
8	3	8	SE 1/2 S	"	5		30.05	70	69	67	69	"	"	6	"							
9	4	6	"	"	5-6		30.05	70	68	66	69	bc	"	2	"							
10	5	2	"	"	5-6		30.05	70	68	66	69	"	"	0	"							
11	5	5	"	NE by E	5-6		30.05	70	68	66	69	oq	"	0	"							
Mid.	5	6	"	"	5-6		30.05	70	68	66	69	"	"	0	"							
[Note in left margins reads " Lat S 27° 21" Long W 40° 23'"]																						
Longitude by Chronometer from Afternoon Observations ⊕											o		'		"							
Longitude by Chronometer Observations											*		o		'		"					
Variation of the Compass by Amplitude											observed at Sunset						o		'		"	
Variation of the Compass by											at						o		'		"	

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday September 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Pleasant. Wind moderate with occasional puffs from E.N.E. Bar[ometer] falling. Long swell from S. Ship under single reefed topsails foresail single reefed mainsail fore topmast staysail jib and spanker.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Pleasant. Moderate E.N.E. breeze. Cir Cum Str clouds. At 4.15 moon rose At 5.50 shook reefs out of topsails, set royals and T. G. sails and flying jib. Long swell from S. Density sea water 26. On course S.E. by S.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Overcast and pleasant. Gentle to moderate breeze from E. by N. At 9.15 inspected at quarters. Exercised at battalion drill. At 10 A.M. placed Henry Hill O.S. in solitary confinement on bread and water for disrespect to Officer Division and profanity By order of Comdr. Density sea water 26.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast. Pleasant. Moderate to fresh breeze from E. by N. and E.N.E. Bar falling slowly. Long swell from S. At 12.15 changed course to S.E. 1/2 S. At 3.25 took in royals and flying jib. Density 26.

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy. Cool. Wind fresh from E.N.E. Bar steady. Long swell from S. At 5.45 furled T. G. sails and took one reef in topsails. Immediately after mustered at quarters. Density sea water 26.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear. Cool. Pleasant. Stiff to very fresh wind from E.N.E. blowing in gusts. Ships under single reefed topsails courses jib foretopmast staysail and spanker. Full and by Density sea water 26. Long swell from S.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Overcast and cloudy. Stiff to very fresh wind from N. and E. blowing in puffs. On course S.E. 1/2 S. Long swell from S. Density sea water 26. At 10 took in gaff topsail.

Signed Saml. C. Lemly
Ensign

Moons phase last qr. Dec. N. 5 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	RECORD OF THE SAIL THE VESSEL IS UNDER AT END OF WATCH.															
	Knots.	<div><div></div><div>TENTHS</div></div>	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	
A.M.																
1	3	4	SE 1/2 S	NE	4-5		30.03	69	67	67	70	oc	Cum Nimb	0	M	
2	4	6	"	"	5-6		30.02	69	67	67	70	ocd	"	0	"	
3	4	6	"	"	5-6		30.02	69	67	67	70	oc	"	0	"	
4	4	0	SE by S	ENE	5-7		30.00	69	67	67	70	ocd	"	0	"	
5	4	6	SSE 3/4 E	E by N	5-6		29.98	69	67	67	69	oqd	"	0	"	
6	4	2	"	"	5-6		29.98	68	67	67	69	"	"	0	"	
7	5	0	S by E 3/4 E	E	5-6		29.98	68	67	67	69	"	"	0	"	
8	5	8	S by E 1/2 E	"	5-6		30.01	68	67	67	69	"	"	0	"	
9	7		S by E 1/4 E	"	5-7		30.01	68	67	67	68	"	"	0	"	
10	7		"	"	5-7		30.00	68	67	67	68	oq	"	0	"	
11	6	2	SSE	"	4-6		30.00	68	66	66	68	"	"	0	"	
Noon.	4	8	SE 1/2 S	ENE	4-6		30.00	68	66	66	68	oq	"	0	"	

[Note in left margin reads " Lat 28° 14' S Long 45° 8' W Sg 615"]

Distance run by Log since preceding Noon	120 knots	Tenths	
Latitude by D. R. at Noon	South 28	31	8 fathoms.
Longitude by D. R. at Noon	West 39	41	"
Latitude by Observations at Noon ☉			"
Longitude by Chronometer from Forenoon Observations ☉	West 40		"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise		"	"
Variation of the Compass by Azimuth ☉ observed at		"	"
Water expended during the preceding 24 hours		230 gallons.	
Water	during the preceding 24 hours	"	[Note on left margin reads "Sg 616"]
Water remaining on hand fit for use at noon		1420	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.															
1	5	5	SSE 1/2 E	ENE	4-5	30.00	68	66	66	68					
2	6	6	SE 3/4 S	"	4-5	29.95	69	67	67	68	oq	Cir Cum Nimb	0	M	
3	6	2	"	"	4	29.94	69	67	67	68	"	"	0	"	
4	5		SE by S	E by N	4	29.94	69	67	67	68	bcz	"	0	"	
5	4	5	SE 1/2 E	"	5	29.94	68	67	67	68	"	"	0	"	
6	4	5	SE 3/4 S	"	5	29.94	68	67	67	68	"	"	0	"	
7	5	5	SSE 3/4 E	"	4-5	29.97	68	67	67	68	"	"	0	"	
8	1	6	"	"	3	29.97	68	67	67	68	"	"	0	"	
9	1	5	SE 1/2 E	ENE	2-3	30.00	68	67	67	68	"	"	0	"	
10	1		"	"	2-3	30.00	68	67	67	68	"	"	0	"	
11	1		SE 3/4 S	"	2-3	29.96	68	67	67	68	ocb	"	0	"	
Mid.	1		SE by S	"	2-3	29.96	68	67	67	68	"	"	0	"	

[Note in left margin reads Lat S 4° 4' Long W 39° 33']

Longitude by Chronometer from Afternoon Observations \oplus	0	1	2
Longitude by Chronometer Observations	*	0	1
Variation of the Compass by Amplitude	observed at Sunset	0	1
Variation of the Compass by	at	0	1

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday September 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Drizzling rain greater part of watch. Wind blowing in gusts moderate to fresh from N.E. Sea moderate. Density 26.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy. Squally. Stiff breeze with fresh puffs from E. by N. & E. Bar[ometer] rising. Sea moderate. Ship under single reefed topsails. One sail in sight at end of watch. Density 26.

Signed C. K. Curtis
Ensign

From 8 A. M. to Merid. Overcast. Squally and rainy. Cum Nimb clouds. Stiff to very fresh wind from E. At 8.15 shook reefs out of topsails and set T. G. sails and gaff topsails. At 9.15 mustered at quarters. At 10.45 took in T. G. sails and gaff topsails. At 11.45 set T. G. sails. Sail in sight at end of watch on lee bow. Full and by. Density 26.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Overcast and hazy. Moderate to fresh breeze from E.N.E. with occasional puffs and wind squalls latter part of watch with moderate. At 1.15 set gaff topsail. At 2.30 set royals and flying jib. Density 26.

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Overcast and disagreeable. Bar steady Sea moderate. Moderate to stiff breeze from E. by N. By order of Comdr. Henry Hill O.S. was released from confinement and restored to duty. At 5.45 took one reef in topsails and took in royals. At 5.55 mustered at quarters. Density 26.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and threatening. Drizzling rain. Wind moderate to stiff from E. by N. Bar rising Sea moderate. At 7.10 took in T. G. sails Density 26.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast Drizzling rain Cum Nimb clouds Light breeze from E. by N. Ship under single reefed topsails courses jib F.T.M. staysail and spanker. Full and by. Density 26.

Signed L. P. Jerrett
Master

Moons phase last qr. Dec S. 21°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	TENTHS.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	1	4	SSE 1/4 E	E by N	5-4		29.95	68	66	66	70	or	Cir Cum Nimb	0	M	
2	1	4	"	"	4		29.92	68	66	66	70	orcb	"	0	"	
3	1	2	SSE	"	5-6		29.88	68	66	66	70	orlm	"	0	"	
4	1	4	SSE 1/2 E	"	6-7		29.86	68	66	66	70	olm	"	0	"	
5	1	2	S	ESE	6-7		29.86	67	66	66	68	"	"	0	"	
6	1	2	"	"	6-7		29.86	67	66	66	68	om	"	0	"	
7	1	7	S by W 1/2 W	SE by E	7-8		29.86	67	66	66	68	"	"	0	"	
8	1	0	Lying to	"	7-8		29.86	67	66	65	68	"	"	0	"	
9	1	5	WSW	E by S	6-8		29.86	67	65	65	67	"	"	0	"	
10	1	5	"	"	6-8		29.87	67	65	65	67	"	"	0	"	
11	1	5	"	"	6-8		29.88	67	66	65	67	Odm	"	0	"	
Noon.	1	5	"	"	6-8		29.88	67	66	65	67	"	"	0	"	

Distance run by Log since preceding Noon

60 knots

Tenths
8 fathoms.

Latitude by D. R. at Noon

South 29

18

Longitude by D. R. at Noon

West 39

35

Latitude by Observations at Noon ⊕

Longitude by Chronometer from Forenoon Observations ⊕

Current during the time knots fms. per hour, setting to the

[Note on left margin reads "Sg 616"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

Variation of the Compass by Azimuth ⊕ observed at

Water expended during the preceding 24 hours

240 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at noon

1180

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

P.M.

1	1	0	WSW	"	6-8		29.83	67	66	65	67	odm	"	0	M	
2	1	0	"	"	6-8		29.86	67	66	65	67	or	"	0	"	
3	1	0	"	E	6-8		29.86	67	65	65	67	"	"	0	"	
4	1	0	"	"	4-6		29.82	67	65	65	67	"	"	0	"	
5	1	0	S by E	"	4-6		29.84	67	65	65	68	"	"	0	"	
6	1	0	South	ESE	4-6		29.84	67	65	65	68	"	"	0	"	
7	1	0	S by N	"	4-6		29.87	66	65	65	68	"	"	0	"	
8	2	0	"	E by S	6-8		29.87	66	66	65	68	orq	"	0	"	
9	1	5	SW by W	"	4-7		29.90	66	66	65	68	"	"	0	"	
10	1	0	"	"	4-7		29.91	66	65	65	68	"	"	0	"	
11	1	0	"	"	4-7		29.91	66	65	65	67	"	"	0	"	
Mid.	1	0	"	"	4-6		29.91	66	65	65	67	"	"	0	"	

[Note in left margin reads "S 29° 23' W 30° 39"]

Longitude by Chronometer from Afternoon Observations ⊕

Longitude by Chronometer Observations

*

Variation of the Compass by Amplitude

observed at Sunset

Variation of the Compass by

at

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday September 26, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and disagreeable. Gentle to moderate breeze from E. and N. Latter part stiff to very fresh from same direction with ugly threatening appearances. Frequent flashes of lightening from S. and E. At 3 hauled up mainsail hauled down and stowed jib braced up spanker took second reef in topsails and hauled up foresail. Density 26.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and ugly. Threatening weather. Fresh breeze to moderate gale from E.S.E. to S.E. by E. Sea rough. Sent down royal yards. Furled courses. At 7 took close reef in topsails. At 7.30 hoisted fore storm staysail and hauled down fore T. M. staysail. Lying to on port tack Ships head S. by N. Density 26.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Overcast. Cloudy. Drizzling rain Blowing a moderate gale from E. by S. Bar[ometer] rising. Sea rough ship under close reefed topsails for storm staysail and storm mizzen Density 26.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Ugly. Blowing a moderate gale from E. Ship lying to on port tack on close reefed topsails for storm staysail and storm mizzen. Rainy entire watch. Density 26. Rising sea.

Signed L. P. Jerrett
Master

From 4 to 6 P.M. Overcast and disagreeable. Moderate to fresh breeze from E. Occasional mist and wind squalls. Lying to. Rough sea. Density 26. Commenced distilling.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Overcast Squally and rainy. Fresh breeze to moderate gale from E.S.E. Sea rough. Ship rolling and pitching considerably at times. Density 26. Distilling.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy and rainy. Wind freshening in puffs from moderate to very fresh breeze. Bar. rising. Sea rough. Ship rolling and pitching considerably. At 10.30 hauled up courses. Ship under close reefed topsails fore storm staysail and storm mizzen. Distilling. Density 26.

Signed C. K. Curtis
Lieut

Moons phase 1st qr. Dec. S. 9°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	Courses steered.	WINDS.		Force.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Direction.	Leeway.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1	Drifting	SSW	ESE	4-6	29.90	67	65	65	68	bcq	Cum Nimb				Under close reefed topsails
2		"	"	4-6	29.90	67	64	64	67	ocq	"				fore storm staysail and
3		"	"	4-6	29.90	67	64	64	67	opq	"				storm mizzen
4		"	"	3-5	29.90	67	64	64	67	orq	"				
5	4	"	"	3-5	29.92	67	64	64	67	"	"				
6	4	"	"	3-4	29.92	67	64	64	67	"	"				Took in storm mizzen
7	4	SW by S	SE	3-5	29.95	67	64	64	67	"	"				set storm mizzen and
8	4	SSW	"	3-5	29.95	67	64	64	67	"	"				for and mainsail
9	2	6	S by W	SE by E	4-6	29.98	65	63	63	67	"	"			
10	2	3	S 1/2 W	ESE	4-6	30.00	65	64	64	68	"	"			Same
11	2		S by W 1/2 W	SE by S	4-7	30.01	65	63	63	68	"	"			Double reefed topsail courses
Noon.	2		SW by S	S	4-7	30.00	65	63	63	68	"	"			jib F.T.M. staysail spanker and storm staysail

Distance run by Log since preceding Noon	28 knots	Tenths	
Latitude by D. R. at Noon	South 29 °	32	' "
Longitude by D. R. at Noon	West 39 °	53	' "
Latitude by Observations at Noon ⊕	South 30 °	25	' "
Longitude by Chronometer from Forenoon Observations ⊕	West 40 °	10	' "
Current during the time knots fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at		°	" "
Water expended during the preceding 24 hours		300 gallons.	
Water during the preceding 24 hours		500	"
Water remaining on hand fit for use at noon		1380	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.																
1	3	5	SW by S	SE by S	4-6	30.00	65	63	62	66	opq	Cum Nimb	0	R		
2	3	5	SW 1/2 W	"	4-6	30.02	65	63	62	66	"	"	0	"		Under double reefed
3	3	5	SW by S	"	4-6	30.02	65	63	62	66	"	"	0	"		topsails fore topmast
4	3	6	SSW	SE	4-6	30.02	65	63	62	66	"	"	2	"		staysail storm staysail
5	4		SSW 1/2 W	"	4-6	30.15	64	63	62	66	bcq	"	5	"		and spanker hauled
6	3	8	SSW 1/4 W	"	4-7	30.18	64	63	62	66	bcq	"	5	"		down fore storm stays
7	3	0	S by W	ESE	4-6	30.10	64	62	60	66	"	"	6	"		
8	2	2	"	"	4-6	30.10	64	62	60	66	"	"	6	"		Same
9	2	0	"	"	4-6	30.13	64	61	61	66	"	"	8	"		Double reefed tops.
10	1	5	"	"	4-6	30.17	64	61	61	66	bc	"	3	"		Foresail T.G.M. staysail
11	1	1	"	"	4-5	30.17	64	61	61	66	"	"	5	"		and spanker.
Mid.	0	8	"	"	4-5	30.15	64	61	61	66	"	"	4	"		

[Note in left margin reads "S 29° 28' W. 39° 39'"]

Longitude by Chronometer from Afternoon Observations ⊕		°	' "
Longitude by Chronometer Observations	*	°	' "
Variation of the Compass by Amplitude	observed at Sunset	°	' "
Variation of the Compass by	at	°	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday September 27, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Passing showers first hour. Gentle to fresh breeze from E. by S. to S.E. by S. with fresh squalls. Cum Nimb clouds. Ship under close reefed topsails fore storm staysail and storm mizzen. Drifting to N. and W. Density 26. Fires banked in two boilers. Av. steam press[ure] 30 lbs. Distilling.

Signed L. P. Jerrett
Master.

From 4 to 8 A.M. Overcast. Wet and disagreeable. Gentle to fresh breeze from S. and E. Occasional rain squalls. At 6 storm mizzen At 6.30 set storm mizzen fore and mainsail At 7.45 shook out two reefs in topsails. Set F. T. M. staysail and sent down preventer braces. Albatross and Cape pigeons flying about ship Density 26. Distilling.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast rainy and disagreeable. Squally. Moderate breeze to moderate gale from E.S.E. to S.E. by S. At 8.10 shook two reefs out of topsails. At 10.30 shook reef out of topsails set jib T. G. sails and spanker. At 11 carried away lee main top gallant sheet. Took up and furled away weather main topsail reef tackle. Reclinched main topsail sheet Reeving off new reef tackles. Hauled down jib.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Weather ugly wet and disagreeable. Clearing last hour of watch Occasional rain squalls. Moderately fresh breeze from S. E. by S. and S.E. Bar[ometer] rising Sea rough and setting to W. Density 26. Distilling. Rove off new main topsail sheets.

Signed C. K. Custer
Lieut

From 4 to 6 P.M. Cloudy. Cool. Stiff to very fresh wind from S.E. Cum Nimb clouds. Ship full and by under double reefed topsails courses F.T.M. staysail and spanker At 5.55 mustered at quarters Bar unsettled. Density 26. Fires banked in two boilers Av. steam pressure 25 lbs. Distilling.

Signed L. P. Jerrett
Master

From 6 to 8 P.M. Clear and pleasant Moderate to very fresh wind from E.S.E. Considerable flying scud from S. and W. At 6.40 took in and stowed fore storm staysail. Moon set at 6.40. Distilling. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy. Cool and pleasant. Moderate to fresh breeze from E.S.E. Sea rough. Bar commenced to fall last hour of watch. Ship rolling and pitching heavily at tomes. At 10 took in mainsail. Density 26. Distilling.

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. S. 15 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

			WINDS.			BAROMETER.			TEMPERATURE.											
Hour.	Knots.	<div>Direction.</div> <div>TENTHS</div>	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.				
A.M.																				
1	0	9	SSW	SE	3-4		30.15	64	61	60	65	bc	Cir Cum Nimb	3	M	Took in foresail Wore ship				
2	0	5	SW by S	"	3-4		30.13	64	61	60	65	"	"	3	"	to N. and E. Set foresail				
3	1	2	E by N	ESE	3-4		30.11	63	61	60	65	bcp	"	1	"	Set mainsail				
4	1	9	E 1/2 N	S by E	3-4		30.11	63	61	60	65	bc	"	4	"					
5	1	0	E by S	SSW	4		30.13	63	61	60	65	"	"	4	"	Shook out reefs in topsails				
6	1	4	ESE	S by W	4		30.13	63	61	60	65	"	"	4	"	Set T. G. sails and spanker				
7	1	4	SE by E 3/4 E	"	4-5		30.16	63	61	59	66	"	"	5	"					
8	3	4	ESE	South	4-6		30.16	62	61	59	66	"	"	6	"					
9	5	2	E by S	S by E	4-5		30.20	62	61	60	66	"	"	6	"					
10	4	8	ESE	South	4-5		30.20	62	61	60	66	"	"	6	"	Set royals flying jib				
11	4	2	SE by E 1/2 E	S by W	4-5		30.2	62	61	60	66	"	"	6	"	And gaff topsails.				
Noon.	3	5	"	"	4		30.2	62	61	60	66	"	"	6	"					
Distance run by Log since preceding Noon										60 knots		Tenths								
Latitude by D. R. at Noon										South 31	°	1	'	"						
Longitude by D. R. at Noon										West 39	°	56	'	"						
Latitude by Observations at Noon ⊕										South 30	°	53	'	"						
Longitude by Chronometer from Forenoon Observations ⊕										West 40	°	10	'	"						
Current during the time			0 knots	6 tenths	fms. per hour, setting to the			NW by W			[Note in left margin reads "604]									
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°	"	"							
Variation of the Compass by Azimuth ⊕ observed at 8AM										Lat S 30° 49'	W 4	°	"	"						
										Long W 40° 30'										
Water expended during the preceding 24 hours													230 gallons.							
Water			Condensed	during the preceding 24 hours													760	"		
Water remaining on hand fit for use at noon													1910		"					
Coal consumed during the preceding 24 hours													tons	lbs.						
Coal remaining on hand at Noon													"	"						
P.M.																				
1	4	0	SE by E	S by W	4-5	1/4	30.19	61	61	60	66	bcq	"	6	L	Jib F.T. M staysail T. G.				
2	4	2	ESE	South	4-5	1/4	30.18	62	61	60	66	bcqp	"	5	"	sails topsail foremast				
3	3	4	E by S 1/2 E	"	4-5	1/4	30.18	62	61	60	66	bcq	"	5	"	mainsail gaff topsail				
4	4	2	E 1/2 S	"	4		30.18	62	61	60	66	"	"	6	"	and spanker.				
5	5	6	E 1/2 N	SSE	4		30.18	62	61	60	67	"	"	5	"					
6	5	0	E 1/4 N	"	4-5		30.20	62	61	60	67	"	"	5	"					
7	4	4	ENE	SE by S	4-5		30.20	62	61	60	67	bc	"	5	"					
8	4	5	E by S	"	4-5		30.20	62	61	60	67	"	"	5	"					
9	4	6	ENE 3/4 E	SSE	4-5		30.20	62	61	60	67	"	"	6	"	All plain sail to.				
10	4	0	E by N	"	4-5		30.20	62	60	60	67	"	"	6	"	T. G. sails				
11	5		E 1/2 N	"	4-5		30.20	62	60	60	67	"	"	6	"					
Mid.	5	6	E 3/4 N	"	4-5		30.20	62	60	60	67	"	"	5	"					
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"						
Longitude by Chronometer Observations										*	°	'	"							
Variation of the Compass by Amplitude										observed at Sunset			°	'	"					
Variation of the Compass by										at			°	'	"					

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday September 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Weather rainy. Wind gentle to moderate from S.E. E.S.E. & S. by E. Bar[ometer] falling Moderate sea setting to W. At 1.15 took in foresail At 2.45 course ship to N. and E. Set foresail. Density 26. Distilling. Squally about horizon.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Cool. Pleasant. Moderate to fresh breeze from S.S.W. shifting to S. At 3 set mainsail. At 7.15 shook reefs out of topsails and set T. G. sails and spanker. At 7.45 crossed royal yards. Long swell from S. and E. Density 26. Fires banked in two boilers. Av. steam pressure 25 lbs. Distilling.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Clear and pleasant. Moderate to stiff breeze from S. At 8.15 set royals flying jib and gaff topsail. At 9 took in flying jib. At 9.10 carried away fore royal backstay took in and furled royals. Engaged in fitting new main topsail sheets. At 11.55 set royals. Fires banked in two boilers. Distilling. Av. steam pressure 25 lbs.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Cool. Squally. Moderate to stiff breeze from S. by E. to S. Sea rough. Long swell from S. Bar. steady. At 12.30 took in and furled royals. Rove new main topsail sheets. Fires banked in two boilers. Density 27. Distilling.

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Partially cloudy and pleasant. Gentle breeze from S.S.E. Bar. rising. Long swell from S. Fires banked in two boilers. Distilling. Density 26.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Clear. Cool. Pleasant. Moderate to stiff breeze from S.E. by S. Ship under all plain sail to T. G. sails. Density 29. Fires banked in two boilers. Av. steam press. 30 lbs. Distilling. At 6 mustered at quarters. Full and by.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear and pleasant. Moderate to stiff breeze from S.S.E. Occasional light wind squalls. Full and by. Distilling. Density 26.

Signed Saml. C. Lemly
Ensign

Moons phase 2nd qr. Dec. S. 20°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

			WINDS.				BAROMETER.				TEMPERATURE.									
Hour.	Knots.	<div><div></div><div>TENTHS</div></div>	Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.				
A.M.																				
1	4	3	E 3/4 N	SSE	4-5	1/4	30.20	62	61	60	66	bcq	Cum Nimb	7	L	Jib fore topmast staysail				
2	3	8	E by N 1/2 N	SE by S	4-5	1/4	30.20	62	61	59	67	"	"	9	"	T. G. sails courses topsails				
3	4	1	E 3/4 N	"	4-5	1/4	30.17	62	60	59	67	"	"	9	"	gaff topsail and spanker				
4	4	6	E by N 1/4 N	"	3-4		30.17	62	60	59	67	"	"	9	"					
5	3	4	E 3/4 N	SSE	3-4		30.17	62	60	58	67	bc	"	7	"					
6	3	5	E by N	SE by S	3-4		30.17	62	60	58	67	"	"	7	"	Same with royals and				
7	4	0	"	"	3-4		30.18	62	61	59	67	"	"	7	"	flying jib				
8	3	4	"	"	3		30.22	62	61	60	67	"	"	5	"					
9	2		"	"	2-3	1/2	30.23	62	61	60	67	"	"	6	"					
10	2	5	ESE 1/2 E	S	3-4	1/2	30.25	62	62	60	67	"	"	6	"	Took in mainsail and				
11	3		E 3/4 S	"	2-3	1/2	30.25	62	62	60	67	"	"	8	"	Set main trysail.				
Noon.	2		ESE 1/2 E	"	2-3	1/2	30.25	62	62	60	67	"	"	8	"					
[Note in left margin Lat. S 30° 20' Long W 38° 30']																				
Distance run by Log since preceding Noon										95 knots		Tenths 7 fathoms.								
Latitude by D. R. at Noon										South 30 °		42 ' "								
Longitude by D. R. at Noon										West 38 °		23 ' "								
Latitude by Observations at Noon ⊕										South 30 °		26 ' 28 "								
Longitude by Chronometer from Forenoon Observations ⊕										West 38 °		20 ' "								
Current during the time			0 knots	6 tenths fms. per hour, setting to the N	[Note in left margin reads "Sg. 605"]															
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°		"		"						
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 30° 26' Long W 38° 20'										W 4 °		30 "		"						
Water expended during the preceding 24 hours												230 gallons.								
Water Condensed during the preceding 24 hours												820 "								
Water remaining on hand fit for use at noon												2500 "								
Coal consumed during the preceding 24 hours										tons		lbs.								
Coal remaining on hand at Noon										"		"								
P.M.																				
1	1	6	ESE 1/2 E	S	2		30.25	62	61	60	67	bcp	Cum Nimb	8	L	Set mainsail took in				
2	2	0	ESE	"	2		30.23	62	61	60	67	"	"	8	"	main trysail furled royal				
3	3	6	"	"	2-5		30.22	62	61	60	67	bcq	"	8	"	and stowed F jib				
4	5	6	"	"	4-5		30.22	62	60	59	67	"	"	2	"					
5	4	0	SE by E	SSW	4-5		30.21	63	59	58	66	bcqp	"	1	"					
6	4		E by N 1/2 N	SE by S	3-4		30.21	64	60	58	66	bc	"	1	"					
7	5	2	ENE 1/4 E	"	3-4		30.21	64	60	58	66	"	"	4	"					
8	6	0	ENE 1/2 E	"	3-5		30.21	64	60	58	66	"	"	4	"					
9	5	2	E 3/4 N	"	4-5		30.21	63	60	58	66	"	"	7	"					
10	5		E by N	"	4-5		30.25	63	60	58	67	bcq	"	6	"	Under all plain sail				
11	4	6	ENE 3/4 E	"	4-6		30.23	63	60	58	67	"	"	5	"	to T.G. sails				
Mid.	3	0	ENE 1/2 E	"	3-6		30.23	63	60	58	67	"	"	4	"					
[Lat 30° 28' S Long 37° 46' N]																				
Longitude by Chronometer from Afternoon Observations ⊕										°		' "								
Longitude by Chronometer Observations										*		°		' "						
Variation of the Compass by Amplitude										observed at Sunset		°		' "						
Variation of the Compass by										at		°		' "						

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday September 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Pleasant. Gentle to stiff breeze from S.S.E. to S.E. by S. Sea moderate Long swell from S.E. Bar[ometer] falling slowly. At 1 took in T. G. Sails to a squall and set[?] at 1.08. Fires banked in two boilers. Distilling. Density 27.

Signed C. B. T. Moore
Ensign

From 4 to 8 A.M. Partially cloudy. Cool. Pleasant. Gentle to moderate breeze from S.S.E. to S.E. by S. Bar rising. Long swell from S. and E. At 7.30 set royals and flying jib. Fires banked in two boilers. Distilling. Density 27.

Signed C. K. Curtis
Lieut

From 8 A. M. to Merid. Clear. Cool. Pleasant. Gentle S[outher]ly breeze. Cir. Cum clouds. At 8.15 took in mainsail set main try sail. At 9.30 Comdg. Officer inspected ship and crew at quarters. Called all hands to muster and read prayers. Long swell from S. and E. Density 27. Ship under all plain sail main trysails [unreadable] of mainsails. Full and by. Av. steam press. 30 lbs. Distilling.

Signed L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant. Light breeze from S. Occasional passing showers latter part of watch moderate to stiff. At 1 hauled up main trysail and set mainsail. At 2.30 furled royals hauled down and stowed flying jib to a stiff white squall. Full and by. Density 27. Distilling.

Signed Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy. Cool. Passing showers of rain first part of watch. Gentle to stiff breeze from S.S.W. to S.E. by S. Sea moderate. Long heavy swell from S. Ship pitching heavily at times. Density 27. Fires banked in two boilers. Distilling.

Signed C. B. T. Moore
Ensign

From 6 to 8 P.M. Partially cloudy. Cool. Pleasant. Wind moderate to S.E. by S. Bar. steady. Long swell from S. Ship rolling and pitching easily. Fires banked in two boilers. Distilling. Density 27.

Signed C. K. Curtis
Lieut

From 8 P.M. to Mid. Clear. Cool. Gentle to fresh breeze from S.E. by S. to S.E. by E. blowing in squalls. Cir Cum clouds. Under all plain sail to T. G. sails. Full and by. Fires banked in two boilers. Av. press 25 lbs. Distilling. Density 27. Long swell from S. and E.

Signed L. P. Jerrett
Master

Moons phase 1st qr. Dec. S. 24°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Lee-way.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1	4	4	East	SSE	3-5	1/4	30.20	62	58	58	65	bcq	Cir Cum	8	L		
2	5	0	"	S	3-5	1/4	30.23	62	58	58	65	"	"	8	"		
3	4	4	ESE	"	4-5	1/4	30.20	61	58	58	65	"	"	8	"		
4	5	0	SE by E 1/4 E	S by W	4-5	1/4	30.20	61	58	58	65	"	"	8	"		
5	6	3	SE by E	"	4-6	0	30.20	61	59	59	66	"	"	1	"		
6	6	6	SE by E 1/2 E	"	5-6	1/4	30.20	61	59	59	66	"	"	3	"		
7	5	5	SE	SSW	5-6	1/4	30.22	61	59	59	66	"	"	5	"		
8	3	8	SE 1/4 E	"	4-5	1/4	30.24	61	59	58	66	"	"	7	"		
9	5	6	ESE	S	4-5		30.24	61	59	57	66	"	"	7	"		
10	6	0	E 3/4 S	S by E	4-5		30.27	61	60	57	66	"	"	4	"		
11	6	5	E by N	SSE	4-6		30.27	61	60	58	66	bcq	"	4	"		
Noon.	5	8	E	"	4-7		30.27	61	60	58	66	"	"	4	"		

Distance run by Log since preceding Noon

114 knots

Tenths
6 fathoms.

Latitude by D. R. at Noon

South 30 ° 32

Longitude by D. R. at Noon

West 36 ° 16

Latitude by Observations at Noon ⊕

South 30 ° 15

30

Longitude by Chronometer from Forenoon Observations ⊕

West 36 ° 27

Current during the time knots 8 tenths
fms. per hour, setting to the

N.W. by N.

[note in left margin reads "605"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

"

"

Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat 30° 20' S
Long 36° 54' W.

W 4

°

40

"

"

Water expended during the preceding 24 hours

216 gallons.

Water during the preceding 24 hours

300

"

Water remaining on hand fit for use at noon

2600

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	7		E 1/4 S	"	4-6	1/2	30.23	61	60	58	66	"	"	6	L	
2	4	5	E 1/2 N	"	5-6	1/2	30.22	61	60	58	66	bc	"	7	"	
3	6	5	E 3/4 N	"	5-7	1/2	30.22	61	60	58	66	bcq	"	6	"	
4	6		E 1/2 N	"	4-6	1/2	30.22	61	60	58	66	bcq	"	7	"	
5	6		E by N	SE by S	4-6	1/2	30.22	61	60	58	66	"	"	7	"	
6	6	6	"	"	5-6	1/2	30.22	61	60	58	66	"	"	7	"	
7	2	5	E by S	S by E	3-5	1/2	30.25	61	60	58	66	"	"	5	"	
8	2	2	E 1/2 S	"	3-4	1/2	30.23	61	60	58	66	"	"	6	"	
9	2	5	"	"	3-4	1/2	30.27	62	60	58	66	"	"	6	"	
10	2	2	E 12 N	SSE	3-4		30.27	62	59	58	66	"	"	5	"	
11	3	5	E	"	3-4		30.27	62	59	58	66	"	"	6	"	
Mid.	4		E 1/2 N	"	3-4		30.27	62	59	58	66	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊕

°

"

"

Longitude by Chronometer Observations

*

°

"

"

Variation of the Compass by Amplitude

observed at Sunset

°

"

"

Variation of the Compass by

at

°

"

"

under the command of Commander W. Scott Schley, U. S. Navy.
Monday September 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear. Cool. Pleasant. Gentle to stiff breeze from S. Wind instantly blowing in puffs. At 1 hauled fires. Stopped distilling. Density 27.

Signed Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Moderate breeze fresh gusts from S. by W. and S.S.W. Sea moderate. Long swell from S. Ship pitching heavily at times. Bar[ometer] rising slowly. At 5.50 took in T. G. sails and gaff topsail. Density 27. At 8 set T.G. sails and gaff topsail.

Signed C. B. T. Moore
Ensign

From 8 A. M. to Merid. Partially cloudy. Cool. Squally last half of watch. Wind moderate to fresh from S.S.E. Long swell setting to N. Bar. rising. At 9.15 mustered at quarters. Instructed 1st and 2nd sections in signal instruction. At 11.30 took in T.G. sails to a squall. At 11.45 set T.G. sails. Density 26.

Signed C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Cool. Pleasant. Moderate to fresh breeze from S.S.E. blowing in squalls. At 12.10 took in T.G. sails to a squall. At 2.30 set T. G. sails. Long swell from S.E. Ship under all plain T.G. sails. At 12.40 changed course to S.E. Full and by. Broke out and bent mizzen storm staysail.

Signed L. P. Jerrett
Master

From 4 to 6 P.M. Clear and pleasant. Moderate to stiff breeze from S.E. by S. At 5.30 set mizzen staysail. At 5.50 took in mizzen staysail. Moderate sea Under all plain sail to T.G. sails. Full and by. Density 26.

Signed Saml. C. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Gentle to stiff breeze from S. by E. Bar steady Sea moderate. Swell from S. At 6.30 took in T.G. sails and took single reef in topsails At 6.10 mustered at quarters. Density 26.

Signed C. B. T. Moore
Ensign

From 8 P.M. to Mid. Partially cloudy. Cool. Moderate breeze from S. by E. to S.S.E. Bar falling slowly. Sea moderate Ship under single reefed topsails Courses F.T.M. stays jib and spanker. Density 26.

Signed C. K. Curtis
Lieut

Moons phase 1st qr. Dec. S. 26 °

Examined and found to be correct

Signed Asa Walker
Navigator.

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday October 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear Cool Moderate to fresh breeze from S. by E. blowing in gusts. Cir Cum Nimb clouds Bright starlight Full and by Under single reefed courses jib fore topsail staysail and spanker Long swell from S. and E. Density 26.

Signed L. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Light to stiff breeze from S. and E. blowing in gusts Squally and rainy during first part of watch. At 7.30 shook reefs out of topsail and set T. G. sails Full and by. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Clear and pleasant. Gentle to stiff breeze from S.S.E. to S.E. by S. Bar[ometer] steady. Long swell from S. At 9.15 mustered at quarters. Exercised companys A & B and Marine Guard at at [sic] small arms By order of Comdr. Jas Hennesy 1CT was rated to Mach, Henry Lawrence 2CT to 1CT, M. Wogan J. W. Scott and John E. Kirk Sea to coxswains. James Gillespie and W. E. Hays [unreadable] sea to Captains of Afterguard from this day inclusive. Density 26.

Signed C. B. T. Moore
Ensign

From Merid. to 4 P.M. Partially cloudy. Cool. Wind moderate to fresh from S.E. by S. and S. Bar. falling slowly. Sea moderate setting to N. and E. At 2 tacked ship carried away fore top gallant shroud. Density 26.

Signed C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy. Cool. Cir Cum clouds. Gentle to stiff breeze. Cum Nimb clouds. Passing showers first hour. Ship full and by under all plain sail to T. G. sails. Density 26. Long swell from S. and E. At 6 mustered at quarters. Bar steady.

Signed L. P. Jerrett
Master

From 6 to 8 P.M. Overcast Pleasant Gentle to stiff breeze from S. by E. Ship full and by under all plain sail to T. G. sails. Density 26.

Signed Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Cloudy Pleasant Gentle to stiff breeze from S. by E. to S.E. Long swell from S.E. Bar steady. Density 26.

Signed C. B. T. Moore
Ensign

Moons phase 1st qr. Dec. 27 °

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

		WINDS.					BAROMETER.					TEMPERATURE.										
Hour.	Knots.	<div>Courses steered.</div>	Direction.	Force.	Lee-way.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.							
A.M.																						
1	4		SW 1/2 S	SE by S	4	1/2	30.23	63	60	58	67	bc	Cir Cum	2	M	Under all plain						
2	4	5	SW 3/4 S	"	4	1/2	30.22	63	60	58	67	"	"	2	"	Sail to T.G. sails.						
3	4	5	SW by W	"	3-4	1/2	30.22	62	60	58	67	"	"	1	"							
4	5		SSW 1/2 W	SE	4-6		30.22	62	60	58	67	"	"	2	"							
5	4	6	S by W 1/4 W	SE by E	4-5		30.20	62	61	59	67	"	"	2	"							
6	8		S 3/4 W	"	4-5		30.23	62	61	59	67	"	"	1	"							
7	5	2	S 1/2 W	"	4-5		30.21	62	61	59	67	"	"	1	"							
8	4	6	"	SE	4-6		30.22	62	61	59	67	"	"	2	"							
9	5	2	SSW	"	4-5		30.25	64	62	60	66	"	"	2	"							
10	3	6	S	ESE	3-4		30.28	64	63	60	66	"	"	6	"	Set royals and hauled						
11	4	0	"	"	3-4		30.28	64	63	60	66	"	"	6	"	down flying jib						
Noon.	4	6	"	"	3-4		30.28	64	63	60	66	"	"	6	"							
[Note in left margin, by 8AM, reads " S 30° 28' W 35° 26'"]																						
Distance run by Log since preceding Noon										94 knots		Tenths fathoms.										
Latitude by D. R. at Noon										South 30 °		50 ' 40 "										
Longitude by D. R. at Noon										West 35 °		17 ' "										
Latitude by Observations at Noon ⊕										South 30 °		44 ' "										
Longitude by Chronometer from Forenoon Observations ⊕										West 35 °		45 ' "										
Current during the time knots										tenths fms. per hour, setting to the		[note in left margin reads "Sg 605"]										
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°		" "										
Variation of the Compass by Azimuth ⊕ observed at										°		" "										
Water expended during the preceding 24 hours												216 gallons.										
Water during the preceding 24 hours												"										
Water remaining on hand fit for use at noon												2168 "										
Coal consumed during the preceding 24 hours												tons		lbs.								
Coal remaining on hand at Noon												"		"								
P.M.																						
															Under all plain sail							
1	4	5	S by E	E by S	4		30.25	64	63	59	66	"	"	6	L							
2	5	5	"	"	4		30.25	64	63	59	66	"	"	6	"							
3	6	0	"	"	5		30.23	64	63	59	66	"	"	7	"							
4	5	8	S by E 1/2 E	"	5		30.23	64	62	59	66	"	"	7	"	Same						
5	6	0	SSE	East	5		30.23	65	62	59	66	"	"	2	"							
6	5	5	SE by S	E by N	5		30.23	65	62	59	66	"	"	3	"							
7	5	5	"	"	5		30.23	65	62	59	66	"	"	4	"							
8	5	5	"	"	5		30.23	65	62	59	66	"	"	6	"	Took in royals						
9	5	2	"	"	5		30.25	65	62	59	66	"	"	3	"							
10	5	2	SE 1/2 S	NE by E	4		30.25	65	62	59	66	"	"	4	"							
11	5	6	"	"	4		30.27	65	62	59	66	"	"	2	"							
Mid.	5	6	"	"	5		30.27	65	62	59	66	"	"	1	"							
[Note in left margin by 8 PM reads " S 31° 22' W 35° "]																						
Longitude by Chronometer from Afternoon Observations ⊕										°		" "										
Longitude by Chronometer Observations										*		°										
Variation of the Compass by Amplitude										observed at Sunset		°										
Variation of the Compass by										at		°										

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday October 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Cool. Wind moderate with fresh puffs from S.E. by S. and S.E. Bar[ometer] falling slowly. Sea moderate, setting to N. and E. Density 26.

Signed C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Cool. Moderate to stiff breeze from S.E. by S. Com Nimb clouds Ship under all plain sail to T. G. sails. Full and by. Long swell from S. and E. Density 26.

Signed L. P. Jerrett
Master

From 8 A. M. to Merid. Clear and pleasant. Gentle to stiff breeze from S. and E. Cir Cum Str clouds. At 10.10 set royals and flying jib. At 10.30 hauled down and stowed flying jib. Full and by. Density 27. At 9.15 inspected at quarters.

Signed Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Moderate to stiff breeze from E. by S. Long swell from S. and E. Ship under all plain sail except flying jib. Density 27.

Signed C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy. Pleasant. Stiff breeze from E. and E. by N. Bar[ometer] steady. Long swell from S. and E. Ship under all plain sail except flying jib. Density 27.

Signed C. K. Curtis
Lieut

From 6 to 8 P.M. Cloudy. Cool. Pleasant. Moderate to stiff breeze from E. by N. At 6.10 mustered at quarters. At 6.20 took in and furled royals. Ship under all plains sail to T. G. sails. On course S.E. by S. Long swell from S. and E. Density 27.

Signed L. P. Jerrett
Master

From 8 P.M. to Mid. Clear and pleasant. Moderate to stiff breeze from S. and E. Cir Cum clouds. Partially overcast latter part of watch. On course S.E. 1/2 S. Density 27.

Signed Saml. C. Lemly
Ensign

Moons phase 1st qr. Dec. S. 26°

Examined and found to be correct

Signed Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.		Courses steered.	WINDS.		Force.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Leeway.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	5	8	SE 1/2 S	NE		4-5	30.24	63	62	60	66	o	Cum Nimb	0	L	Under all plain
2	6	0	"	NE by E		4-5	30.23	63	62	60	66	"	"	0	"	Sail to T. G. sails
3	6	5	"	"		4-6	30.20	63	62	59	66	"	"	0	"	
4	6		"	"		4-6	30.20	63	62	59	66	"	"	0	"	
5	6		"	"		4-6	30.20	63	62	59	66	"	"	0	"	
6	6		"	"		4-6	30.20	63	62	59	66	"	"	0	"	
7	7	5	"	"		5-7	30.21	63	62	59	66	"	"	0	"	Same
8	7	2	"	"		5-7	30.23	63	62	59	66	"	"	0	"	
9	7	4	"	"		5-6	30.24	64	62	59	66	bc	"	1	"	
10	7	5	"	"		5-6	30.24	64	63	59	66	"	"	2	"	Set main top mast stays
11	8	5	"	"		5-7	30.22	64	63	60	66	"	"	5	"	and mizzen staysail
Noon.	7	5	"	"		5-7	30.22	64	63	60	66	"	"	7	"	

[Note in left margin by 8 AM reads "S 32° 20' W 34° 15'"]

Distance run by Log since preceding Noon	147 knots	Tenths 8	fathoms.
Latitude by D. R. at Noon	South 32 °	31	"
Longitude by D. R. at Noon	W 33 °	30	"
Latitude by Observations at Noon ⊕	S 32 °	38	30 "
Longitude by Chronometer from Forenoon Observations ⊕	W 33 °	50	30 "
Current during the time knots 8 tenths fms. per hour, setting to the	W 2° S		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	" [Note in left margin reads "Sq 606"]
Water expended during the preceding 24 hours		216 gallons.	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1952	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.																
1	4	2	se 1/2 s	NE		6-7	30.20	64	63	60	65	bc	"	2	M	Set royals took in
2	6	8	se	"		6-7	30.19	64	63	60	64	"	"	3	"	royals
3	9	6	"	"		6-7	30.17	64	63	60	64	"	"	4	"	
4	10	0	"	NE by N		6-7	30.17	64	63	60	63	"	"	3	"	
5	9	4	"	"		6-7	30.14	64	62	60	65	"	"	1	"	All plain sail
6	9	2	"	"		6-7	30.14	65	62	60	65	"	"	1	"	single reefed top
7	8	0	SE 1/2 E	"		6-7	30.14	65	61	60	65	o	"	0	"	and T. G. sails
8	9	2	"	"		6-7	30.14	65	61	59	65	"	"	0	"	
9	9	7	"	"		5-7	30.13	64	61	59	63	"	"	0	"	Took in T. G. sails
10	9	3	"	"		5-7	30.13	64	61	59	61	"	"	0	"	and spanker
11	8	8	"	NNE		5-7	30.10	64	61	59	61	"	"	0	"	
Mid.	6	5	"	"		5-8	30.06	63	61	59	61	"	"	0	"	Took second reef in topsails
1	5		E by S	"								"	"			

[Note by 8 PM reads " S 33° 2' W 32° 38' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday October 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast and pleasant. Moderate to fresh breeze from N.E. to N.E. by E.
Sea smooth. Bar[ometer] falling slowly. At 1.40 took in T. G. sails reset them at 1.50 Density 26.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy. Cool. Moderate to stiff wind with occasional puffs from N.E. by E. Bar rising Sea
smooth. Ship under all plain sail to T.G. sails. Density 27.

C. K. Curtis
Lieut

From 8 A. M. to Merid. Cloudy first part. Clear and pleasant remainder of watch. Cir Cum Nimb clouds.
Moderate to very fresh breeze from S.E. by E. At 9.15 inspected at quarters exercised company A at
single sticks Got up and bent main topmast staysail At 10.10 set main topmast staysail. At 10.20 hauled
down main topmast staysail set up sky and reset it. Ship under all plain sail to T.G. sails main topmast
staysail and mizzen staysail. On course S.E. 12 E. Long swell from E. Density 26.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear. Pleasant Cum Nimb clouds. Fresh to very fresh breeze from N.E. At 12.15
changed course to S.E. At 1 set royals. At 1.40 furled royals. On course S.E. Ship under all plain sail to
T.G. sails main topmast and mizzen staysails. Moderate sea. Density 26.

Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy. Pleasant. Fresh to very fresh breeze from N.E. by N. Ship on course S.E.
Under all plain sail to T. G. sails with main topmast staysail. Density 26 Sea smooth.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy. Cool. Very fresh breeze from N.E. by N. Bar steady Sea moderate. At 6 called
all hands reef topsails clewed up T.G. sails took one reef in topsails and set T.G. sails. Took in main
topmast staysail and gaff topsail. Changed course to S.E. 1/2 E. Density 26

C. K. Curtis
Lieut

From 8 P.M. to Mid. Overcast. Cloudy. Very fresh wind from S. and E. blowing in squalls. At 9.30 took in
T.G. sails. At 9.40 took in spanker. At 11.30 clewed down topsails and took second reef hauled down jib.
Density 26 Ship under reefed topsails courses and fore topmast staysail. Sea rough Bar falling.

L. P. Jerrett
Master

Moons phase 2nd qr. Dec. S. 24°

Examined and found to be correct

Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	9		SE 1/2 E	NNE	8		30.06	64	60	59	63	o	Cir Cum Nimb	0	I	Double reefed topsail,
2	9		"	"	8		30.03	64	60	59	63	"	"	0	"	foremast, mainsail and
3	9		"	N	8		30.02	64	60	59	63	"	"	0	"	F.T.M. staysail
4	8	5	"	"	8		30.00	64	60	59	63	"	"	0	"	
5	8	5	"	"	7-8		29.98	63	62	60	61	"	"	0	"	
6	8	6	"	"	7-8		29.98	63	62	60	61	"	"	0	"	F.T.M. staysail course
7	8	6	"	"	7-8		29.99	63	62	60	61	"	"	0	"	single reefed top sails,
8	9	5	"	"	7-8		29.99	63	62	60	60	"	"	0	"	T.G. sails
9	9	5	"	"	7-8		29.97	64	61	60	60	"	"	0	"	
10	9	4	"	"	7-8		29.96	64	61	60	60	"	"	0	"	
11	9	8	"	"	7-8		29.95	64	61	60	60	"	"	0	"	
Noon.	8		"	"	7-8		29.95	64	61	60	60	"	"	0	"	Same

[Note in left margin, at 8 AM, reads " S 34° 20' W 31° 10'"]

Distance run by Log since preceding Noon	217 knots	Tenths	
Latitude by D. R. at Noon	South 34	34	30
Longitude by D. R. at Noon	West 30	10	30
Latitude by Observations at Noon ⊕			
Longitude by Chronometer from Forenoon Observations ⊕	West 30	22	
Current during the time knots tenths			
Variation of the Compass by Amplitude ⊕ observed at Sunrise			
Variation of the Compass by Azimuth ⊕ observed at			
Water expended during the preceding 24 hours		216 gallons.	
Water during the preceding 24 hours			
Water remaining on hand fit for use at noon		1706	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.																
1	10	7	SE by E	N	7-8		29.92	63	61	60	60	or		0	R	
2	10	7	"	"	7-8		29.88	63	60	59	60	"	"	0	"	[Note in left margin at 2 PM reads "Sg 607"]
3	10	0	"	"	7-8		29.85	63	59	59	60	"	"	0	"	Close reefed foresail and
4	9	5	"	"	7-8		29.85	63	59	58	60	"	"	0	"	topsails set mizzen &
5	9	4	"	"	8		29.82	63	59	60	60	"	"	0	"	fore storm sails
6	5	0	E by S	"	8		29.75	62	59	60	60	ore	"	0	"	
7	6	5	SE by E	"	8		29.75	62	59	60	60	"	"	0	"	[Note in left margin at 7 PM reads "Sg 595"]
8	7	5	"	"	8		29.78	62	60	60	60	"	"	0	"	[Note in left margin at 8 PM reads "S 35° 02' W 29° 6'"]
9	8	6	"	"	8		29.77	62	60	60	60	"	"	0	"	Close reefed fore & main
10	8	6	"	NW	8-9		29.78	62	60	60	60	"	"	0	"	topsails furled fore
11	9		"	"	8-9		29.74	62	62	60	60	"	"	0	"	Tops and hove ship to
Mid.	5		"	"	8-10		29.70	62	62	60	60	"	"	0	"	Under close reefed main
Longitude by Chronometer from Afternoon Observations ⊕																And storm mizzen staysails
Longitude by Chronometer Observations									*							
Variation of the Compass by Amplitude									observed at Sunset							
Variation of the Compass by									at							

under the command of Commander W. Scott Schley, U. S. Navy.
Friday October 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast Moderate gale from N. and E. Ship laboring considerably On course S.E. 1/2 E. Rough sea Cir Cum Nimb clouds Density 26.

Saml. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Cool. Very fresh breeze to moderate gale from N. Cum Nimb clouds. Sea rough Ship rolling and pitching heavily At 7.15 shook one reef out of topsails and set T. G. sails. Density 26.

C. B. T. Moore
Ensign

From 8 A. M. to Merid. Cloudy. Disagreeable. Drizzling rain last part of watch. Very fresh breeze from N. Bar[ometer] rising Sea moderate At 9.15 exercised at fire quarters. Density 26.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast Rainy Moderate gale from W. Cum Nimb clouds At 12 changed course to S.E. by E. At 12.30 hauled down main topmast staysail. At 2.15 took in T. G. sails and sent down royal yards At 2.30 hauled down jib Ship under single reefed topsails courses and fore topmast staysail Sea rough. Density 26. Bar falling

L. P. Jerrett
Master

From 4 to 6 P.M. Overcast disagreeable and threatening. Moderate gale from N. Drizzling rain Rough sea Rolling heavily. At 5 took close reef in topsails and foresail. Furled mainsail hauled down and stowed F. T. staysail Set F.S. staysail Got up preventer braces. At 5 changed course to E. by S. to assist in reefing At 6 on course S.E. by E. Density 26. Bar. falling steadily.

Saml. C. Lemly
Ensign

From 6 to 8 P.M. Overcast and rainy Ugly threatening weather. Moderate gale from N. Bar. rising Sea rough. Sent down T. G. yards. Density 26.

C. B. T. Moore
Ensign

From 8 P.M. to Mid. Cloudy. Disagreeable. Raining latter part of watch Blowing a very strong gale from N. and N. by W. Bar falling Sea very rough. Ship rolling and pitching heavily. At 9 started fires in four boilers Took in fore topsail and brought ship by the wind Set mizzen storm staysail and storm mizzen Density 26.

C. K. Curtis
Lieut

Moons phase 2nd qr. Dec. S. 20°

Examined and found to be correct

Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds by symbols.	Prop. of Clear Sky in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1			ENE	North	9		29.68	61	60	60	60	o	Cum Nimb	0	R	Took in fore storm
2			"	"	9		29.65	60	60	60	60	"	"	0	"	staysail
3			NE	"	9		29.68	60	60	60	60	"	"	0	"	
4			"	"	8-9		29.65	60	60	60	60	"	"	0	"	Took in main topsail
5			NE by N	N by W	8-9		29.62	61	59	59	60	"	"	0	"	
6			"	"	8		29.62	61	59	59	60	"	"	0	"	
7			NE by N 1/2 N	NNW	7-8		29.62	61	59	59	60	"	"	0	"	Set fore storm staysail
8			"	"	7		29.68	61	59	59	60	"	"	0	"	And close reefed main
9	2	5	SE by E 1/2 E	"	4-5		29.	66	59	59	60	"	"	0	"	topsail
10	4	3	"	"	4-5		29.	68	60	60	60	"	"	0	"	Set single reefed fore
11	4	3	"	"	4-5		29.	68	60	60	59	"	"	0	"	Topsail and single
Noon.	5	0	"	"	5		29.	68	61	61	59	bc	"	0	"	Reefed foresail and F T M staysail

Distance run by Log since preceding Noon	116 knots	Tenths 6	fathoms.
Latitude by D. R. at Noon	South 35	°	"
Longitude by D. R. at Noon	W 28	°	12 "
Latitude by Observations at Noon ⊕	S 35	°	29 " 34 "
Longitude by Chronometer from Forenoon Observations ⊕		°	"
Current during the time knots tenths per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" [Note in left margin reads "Sg 595"]
Variation of the Compass by Azimuth ⊕ observed at 9 AM Lat 35° 24' S Long 28° 3' W	W 8	°	55 "
Water expended during the preceding 24 hours			280 gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon			1456 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P.M.																
1	1	2	se by e 1/2 e	NW by N	4-5		29.65	68	62	61	59	bcq s	Cum Nimb	2	R	Single reefed topsails
2	5	2	"	NW	4-5		29.65	68	61	61	59	"	"	2	"	main top gallant sail
3	4	4	"	WNW	4		29.67	68	62	61	59	"	"	5	"	single reefed foresail
4	4	0	"	"	4		29.67	68	62	61	59	"	"	5	"	
5	5	4	"	West	4		29.66	68	60	60	59	"	"	7	"	
6	5	8	"	"	4		29.66	68	61	60	59	"	"	7	"	
7	5	6	"	"	4		29.67	66	60	59	60	"	"	8	"	
8	6	0	"	"	4		29.68	66	59	59	60	"	"	2	"	[Note in left margin at 8 PM reads "S 35° 40' W s5° 2'"]
9	5	3	"	"	4		29.70	66	59	59	60	"	"	3	"	T. G. sails single
10	4	8	"	"	4		29.70	65	59	59	58	bc	"	9	"	reefed topsails and
11	4	8	"	WSW	5-6		29.70	65	58	58	58	"	"	6	"	single reefed foresail
Mid.	6	0	"	"	5-6		29.70	65	57	58	58	ocp	"	9	"	

Longitude by Chronometer from Afternoon Observations ⊕		°	"
Longitude by Chronometer Observations	*	°	"
Variation of the Compass by	observed at Sunset	°	"
Variation of the Compass by	at	°	"

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday October 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast. Ugly. Blowing a fresh gale from N. At 12.30 hauled down fore storm staysail At 2.45 took in and furled main topsail Commenced steaming under 4 boilers Lying to under mizzen storm and storm mizzen staysail Heading N.E. Av[erage] steam pressure 40 lbs. Rev[olutions] 20. Density 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Overcast. Disagreeable. Moderate gales to very fresh breeze from N. and W. blowing in gusts. Rough sea Lying to under mizzen storm staysail storm mizzen and steam. At 7.30 set fore storm staysail and close reefed main topsail Density 26

Saml. C. Lemly
Ensign

From 8 A. M. to Merid. Overcast. Clearing up latter part of watch. Moderate to stiff breeze from N.N.W. Sea rough. Bar[ometer] unsteady falling latter part of watch. At 8.50 shook one reef out of foresail and main topsail and hoisted F.T.M. staysail hauled down T. S. staysail. At 10 crossed main top gallant yards. Fires banked in 4 boilers started distiller at 8.45 Density 26.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Weather overcast. Occasional rain squalls first half of watch. Clear and pleasant last half. Wind moderate from N.W. to W.N.W. At 12.15 changed course to E.S.E. Bar rising slowly Sea rough Ship rolling easily. At 3 shook one reef out of topsail and set main T.G. sail Density 26 At 3.50 took in main topmast staysail

C. K. Curtis
Lieut

From 4 to 6 P.M. Clear Cool Pleasant Moderate N[ortherly] breeze. Cum Nimb clouds At 4.13 crossed fore top gall[ant] yard and set fore T. G. sail. Took down preventer braces Got up rolling tackles for fore yard Ship rolling heavily. Density 26 Sea rough Fires banked in two boilers Av[erage] press[ure] 20 lbs Distilling ship under T.G. sails single reefed topsails single reefed foresail.

L. P. Jerrett
Master

From 6 to 8 P.M. Clear. Cool. Pleasant. Moderate breeze from W. Cir Cum Nimb clouds Ship rolling heavily On course E.S.E. Rough sea. Condensing Bar rising Density 26.

Saml. C. Lemly
Ensign

From 8 P.M. to Mid. Clear. Cool. Occasional light sprinkling of rain. Moderate to fresh breeze from W. to W.S.W. Ship rolling heavily Bar steady. Sea rough Cum Nimb clouds passing rapidly to E. Distilling. Density 26.

C. B. T. Moore
Ensign

Moons phase 2nd qr. Dec. S. 16 °

Examined and found to be correct

Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	6	5	ESE	W by N	4-5		29.72	64	57	56	59	bc	Cir Cum	7	R	Single reefed topsails
2	6		"	"	4-5		29.73	64	57	56	59	"	"	6	"	T G sails single reefed
3	6		"	WNW	4-5		29.74	64	57	56	59	"	"	6	"	Foresail and F T M stays
4	6		"	"	4-5		29.74	64	57	56	59	bcl	"	7	"	
5	6	5	"	WSW	5-6		29.72	62	56	57	59	bc	"	7	"	Took in T.G. sails Set
6	6	5	"	"	6		29.74	62	56	57	59	"	"	7	"	T g sails and shook
7	6	2	"	"	6		29.78	66	57	56	59	"	"	7	"	reef out of foresail
8	6	0	"	"	5		29.78	66	58	57	59	"	"	5	"	
9	6	5	"	W	4		29.84	66	58	57	59	"	"	6	"	Set royals and F T M
10	7	5	"	"	4		29.84	67	58	57	59	"	"	8	"	staysail hauled down
11	7	8	"	WSW	4-5		29.83	65	58	57	59	"	"	6	"	main topmast staysail
Noon.	7	0	"	WSW	4-5		29.83	65	58	57	59	"	"	4	"	set lee clew of mainsail hoisted up spanker

[Note in left margin, at noon, reads "Sg 595"]

Distance run by Log since preceding Noon	137 knots	Tenths	8	fathoms.
Latitude by D. R. at Noon	S 35 °	59	'	"
Longitude by D. R. at Noon	W 24 °	59	'	"
Latitude by Observations at Noon ⊕	S 35 °	47	'	"
Longitude by Chronometer from Forenoon Observations ⊕	W 24 °	57	'	"
Current during the time	knots	5	tenths	per hour, setting to the N
Variation of the Compass by Amplitude ⊕ observed at Sunrise			°	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat 35° 41' S Long 35° 22' W.	W 11 °	30	"	"
Water expended during the preceding 24 hours		436	gallons.	
Water Condensed during the preceding 24 hours		1050	"	
Water remaining on hand fit for use at noon		2080	"	
Coal consumed during the preceding 24 hours	tons		lbs.	
Coal remaining on hand at Noon	"		"	

[Note in left margin, at 1 PM, reads "Sg 696"]

P.M.																Jib and all plain
1	7	7	SE by E 3/4 E	"	5-6		29.80	63	57	56	59	"	"	2		sail
2	7	2	"	"	5-6		29.80	62	56	56	59	"	"	2	"	
3	7	0	"	"	5-6		29.81	61	56	56	59	"	"	8	"	Same
4	7	4	"	"	5-6		29.82	61	56	55	59	"	"	8	"	
5	7	6	"	"	5-6		29.83	61	56	55	59	"	"	6	"	
6	7	0	"	"	5-6		29.88	61	56	54	59	"	"	6	"	Took in royals and
7	6	6	"	"	5-6		29.88	61	55	54	59	"	"	8	"	one reef in topsails
8	6	4	"	"	5-6		29.88	61	55	54	59	"	"	8	"	
9	6	5	"	"	4-5		29.88	61	55	53	59	"	"	5	"	
10	6	2	"	"	4		29.98	61	55	53	59	bcl	"	9	"	
11	6	0	"	W	4		29.98	61	54	53	59	bc	"	9	"	Hauled up lee
Mid.	6	0	"	"	4		29.90	61	54	53	59	"	"	7	"	clew mainsail

Longitude by Chronometer from Afternoon Observations ⊕		°	'	"
Longitude by Chronometer Observations		°	'	"
Variation of the Compass by Amplitude	observed at Sunset	°	'	"
Variation of the Compass by	at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday October 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Raining Cloudy Cool. Wind moderate to fresh from W. by N. to WNW. Bar[ometer] rising slowly. Sea rough Ship rolling heavily at times. At 3 set fore topmast staysail Density 26. Lightening to W. last hour of watch.

C. K. Curtis
Lieut

From 4 to 8 A.M. Clear Cool Pleasant. Moderate to stiff breeze from W.S.W. At 4.15 took in T.G. sails At 7.30 shook reef out of foresail Shook reef out of topsails and at F.T.G. sail Sea rough Ship rolling heavily under fore T.G. sail, Topsails courses and fore topmast staysail Fires banked in two boilers Distilling. Density 26.

L. P. Jerrett
Master

From 8 A. M. to Merid. Clear Cool Pleasant Moderate to stiff breeze from N. and W. At 9 crossed royal yards set royals jib flying jib and main topmast staysail. At 9.30 hauled down main topmast staysail and at 11 hauled down and stowed flying jib. Set lee clew of mainsail and hoisted up spanker Ship on course E.S.E. Distilling Density 26 Bar[ometer] steady. Cir Cum clouds.

Saml. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Stiff to very fresh breeze from W.S.W. Bar rising slowly Sea rough. Long swell from W. At 12.15 changed course from E.S.E. to E.S.E. 3/4 E. Distilling Density 26

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy Cool Fresh breeze from W.S.W. Bar rising rapidly Sea rough setting to E. Distilling Density 26.

C. K. Curtis
Lieut

From 6 to 8 P.M. Clear Pleasant Stiff to very fresh breeze from W.S.W. Cir Cum clouds At 6.10 took in and furled royals took in reef in topsails Ship under T.G. sails courses single to reefed topsails and jib Density 26. Fires banked in two boilers Av[erage] steam press[ure] 30 lbs. Distilling.

L. P. Jerrett
Master

From 8 P.M. to Mid. Clear Cool and pleasant. Moderate to breeze from S. and W. Cir Cum clouds Occasional lightening from W. At 10 hauled up weather clew of mainsail. Distilling Density 26 Ship rolling from 18° to 20°.

Saml. C. Lemly
Ensign

Moons phase 2nd qr. Dec. S. 11°

Examined and found to be correct

Asa Walker
Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.		Force.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Direction.	Leeway.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																
1	7		SE by E 3/4 E		W	6	29.90	60	53	53	59	bc	Cum Nimb	9	R	Jib foresail single
2	7	4	"		"	6	29.88	60	54	54	59	"	"	5	"	reefed topsails and
3	8	2	"		"	6-7	29.88	60	53	53	58	"	"	8	"	T.G. sails
4	9	5	"		"	6-7	29.87	60	53	53	58	"	"	8	"	
5	9	6	"		"	5-6	29.89	60	53	53	58	"	"	6	"	All plain sail to T. G. sails
6	8	6	"		"	5-7	29.92	59	54	53	58	"	"	6	"	except main and
7	8	6	"	WSW	5-7	29.92	59	54	54	58	bcp	"	"	7	"	spanker
8	7	4	"		"	6-7	29.95	59	54	54	58	"	"	2	"	
9	7	2	"		"	6-7	29.95	59	55	54	58	"	"	6	"	
10	8		"		"	6-7	29.95	59	55	54	57	"	"	6	"	Under top gaff sails
11	7	0	"		"	5-6	29.95	59	56	55	57	"	"	7	"	topsails foresail and
Noon.	5	5	"		"	5-7	29.5	60	56	55	57	"	"	5	"	lee mainsail

Distance run by Log since preceding Noon

174 knots

Tenths
2 fathoms.

Latitude by D. R. at Noon

S 36 °

°

29

'

"

Longitude by D. R. at Noon

W 21 °

°

28

'

"

Latitude by Observations at Noon ⊕

S 36 °

°

2

'

"

Longitude by Chronometer from Forenoon Observations ⊕

W 21 °

°

30

'

"

Current during the time 1 knots 1 tenths per hour, setting to the N

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

"

"

[note in left margin reads "Sg. 596"]

Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. S 36° 0' Long W 22° 3'

W 12 °

°

20

"

"

Water expended during the preceding 24 hours

216 gallons.

Water Condensed during the preceding 24 hours

740 "

Water remaining on hand fit for use at noon

2604 "

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

[unreadable] royals

1	1	0	se by e 3/4 e	WSW	4-5	29.95	61	56	55	57	pcp	"	6	M	
2	5	2	se by e 1/4 e	"	4-5	29.95	61	57	56	57	"	"	8	"	
3	7	0	"	"	4-5	29.96	61	57	56	57	"	"	4	"	
4	8	6	"	"	5-6	30.00	62	56	55	57	"	"	4	"	Same
5	9	5	"	"	5-6	29.97	61	56	55	57	"	"	5	"	
6	8	6	"	"	5-6	29.98	61	56	55	57	"	"	7	"	
7	8	2	"	"	5-7	30.00	61	55	55	57	"	"	3	"	
8	7	5	"	"	5-6	30.02	61	55	55	56	"	"	4	"	Under T G sails singles
9	6	5	"	"	5-6	30.02	60	55	54	56	"	"	3	"	reefed topsails courses
10	6	0	"	WNW	5-0	30.02	60	55	54	56	"	"	8	"	and F T M staysail
11	6	8	"	"	5-6	30.02	60	55	54	56	"	"	9	"	
Mid.	6	6	"	"	5-6	30.02	60	55	54	56	"	"	9	"	

[notes in left margin at 8 PM reads "S 36° 13' W 20° 16' ", and at 11 PM reads " Sg 599"]

Longitude by Chronometer from Afternoon Observations ⊕

°

'

"

Longitude by Chronometer Observations

*

°

'

"

Variation of the Compass by Amplitude

observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"

under the command of Commander W. Scott Schley, U. S. Navy.
Monday October 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences 4 A.M. Fresh to very fresh breeze from W. Bar[ometer] falling slowly Sea rough
Ship rolling easily At 1.45 clewed up mainsail Density 26. Distilling.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Partially cloudy. Occasional light passing showers of rain last half of water Bar
rising Sea moderate setting to S. Shook reef out topsails and set lee clew of mainsail. At 7.45
took in clew mainsail Fires banked in 4 boilers Distilling Density 26.

C. K. Curtis
Lieut

From 8 to Merid. Clear Cool Pleasant. Stiff to very fresh breeze from W.S.W. Rain squalls last
hour Cum Nimb clouds By order of Comdr Michl Hays 1CT was placed in solitary confinement
on bread and water for refusing to obey an order. Ship under T.G. sail topsail foresail lee clew
mainsail and jib Fires banked in two boilers Av[erage] press[ure] 30 lbs. Distilling Density 26

L. P. Jerrett
Master

From Merid. to 4 P.M. Cool and pleasant Moderate to stiff breeze from N. and W. Wind blowing
in puffs. Occasional passing showers. At 12.10 changed course to S.E. by E. 1/4 E. At 1.10 set
royals Ship on course S.E. by E. 1/4 E. Distilling Density 26.

Saml. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy and pleasant Stiff to fresh breeze from W.S.W. blowing fresh in puffs.
Long swell from S.W. At 4 hauled down jib. Distilling Density 26.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy Cool Rainy last part of watch. Bar rising Sea moderate setting to S. At
6 called all hands set topsails furled royals took one reef in topsails. At 7 set fore topmast
staysail Density 26 Distilling. At 5 stopped distilling Low bunkers fires in two boilers

C. K. Curtis
Lieut

From 8 to Midnight. Clear Cool Passing showers first hour stiff to fresh breeze from W.S.W.
shifting to W.N.W. At 9 clewed up weather clew of mainsail Ship under topgallant sails single
reefed topsails foresail lee clew mainsail and F.T.M. staysail. Moderate swell from W. Ship
rolling considerably Fires banked in two boilers Av. prep 20 lbs. Density 27. Bright moonlight

L. P. Jerrett
Master

Moon's phase 2nd qr Dir. S. 6°.

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.				WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	<div><div></div><div>TENTHS.</div></div>	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1	7	2	SE x E 1/4 E	W	5		30.02	66	54	53	56	bcp	Cir Cum Nlmb	6	L	Single reefed topsails
2	7	0	"	"	5-6		30.02	60	54	53	56	bc	"	6	"	foresail lee clew of single
3	7	0	"	"	5-6		30.02	60	54	53	56	"	"	6	"	reefed mainsail
4	6	5	"	"	4-5		30.02	60	54	53	56	"	"	6	"	F T M staysail T G sails
5	6	6	"	"	4-5		30.00	59	55	55	56	"	"	5	"	
6	7	0	"	"	4-5		30.00	58	55	55	57	bcp	"	4	"	
7	6	6	"	"	4-5		30.02	58	56	55	57	bc	"	5	"	All plain [unreadable]
8	6	6	"	NW by W	4-5		30.05	58	56	55	57	"	"	4	"	sail and F T M stay sail
9	6	2	"	"	4-5		30.08	58	56	56	57	"	"	4	"	
10	6	5	"	"	4-5		30.09	59	58	57	57	bcpq	"	2	"	
11	7	0	"	"	4-5		30.05	60	59	58	58	bc	"	2	"	
Noon.	5	6	"	"	4-5		30.07	60	59	59	58	bcpq	"	4	"	Same

Distance run by Log since preceding Noon 169 knots

Latitude by D. R. at Noon S 36° 49' 30" Tenth

Longitude by D. R. at Noon W 18° 13' 10" fathoms.

Latitude by Observations at Noon ⊕ S 36° 30' 45" "

Longitude by Chronometer from Forenoon Observations ⊕ W 17° 59' 30" "

Current during the time 0 knots 9 tenths N 21° E. [Note in left margin reads "Sg 597"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. S 36° 25' Long W 18° 29' W 13° 5' " "

Water expended during the preceding 24 hours 216 gallons.

Water during the preceding 24 hours 212 "

Water remaining on hand fit for use at noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M.																Took in mainsail
1	6	6	SE by E 1/4 E	WNW	5		30.05	60	59	58	58	bc	"	6	L	
2	6	6	"	"	5		30.03	60	59	58	58	"	"	1	"	Furled royals
3	6	5	"	NW	5		30.02	60	58	57	58	bcp	"	3	"	single reefed topsails
4	6	8	"	"	5		30.01	60	58	57	58	bc	"	2	"	F T M staysail and
5	6	6	"	NNW	4		30.01	61	56	56	57	bcl	"	2	"	foresail
6	5	2	"	"	4		30.01	61	56	56	57	"	"	2	"	
7	6	0	"	"	4-5		29.99	61	57	55	58	o	"	0	"	
8	7	8	"	"	5-7		30.01	61	57	55	58	cm	"	0	"	
9	8	6	"	WNW	5-7		30.02	61	57	55	58	oqr	"	0	"	
10	9		"	"	5-7		30.02	61	56	56	58	"	"	0	"	Close reefed topsail &
11	7		"	NW by N	5-7		30.00	61	56	56	57	"	"	0	"	foresail and F T M
Mid.	7		"	"	5-7		29.98	60	56	56	58	"	"	0	"	staysail

[Note in left margin at 8 PM reads "S 36° 49' W 16° 58' "]

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations *

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday October 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear Cool and pleasant Moderate to fresh breeze from W. Occasional light passing showers Long swell from W. Rolling from 15° to 20°. Moon set at 4 Density 27. Fires banked in two boilers

Saml. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Moderate to stiff breeze from W. Long swell from S.W. Bar[ometer] rising slowly. At 7.45 ~~set single~~ shook reef out of topsails and set royals Fires banked in two boilers Density 27.

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy. Cool. Pleasant during greater part of watch Occasional rain squalls Bar falling Sea moderate setting to S. and E. At 9.15 inspected at quarters Fires banked in two boilers Density 27. Fresh breeze from S.W. x W.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy. Cool passing showers first hour Stiff breeze from N.N.W. shifting to N.W. At 2 took up and furled mainsail Ship under T. G. sails topsails foresail and fore staysail Density 27. Long swell from W. Fires banked in two boilers.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy. Cool. Passing rain Moderate breeze from W.N.W. Cir Cum Nimb clouds At 4.45 furled royals and sent down royal yards. At 5.30 took reef in topsails Density 26 Fires banked in two boilers

Saml. C. Lemly
Ensign

From 6 to 8 P.M. Overcast Ugly threatening weather Moderate to stiff breeze from W.N.W. blowing ~~very~~ fresh in puffs Bar rising slowly. Long heavy swell from W. Ship rolling heavily mustered at quarters Fires banked in two boilers Density 26.

C. B. T. Moore
Ensign

From 8 to Mid. Cloudy squally ugly threatening weather Wind very fresh from W. and N.W. by N. Bar falling Long swell from N. and W. At 9 took in and furled T. G. sails. At 10 took close reef in topsails and ~~single reef in~~ foresail Fires banked in two boilers Density 27.

C. K. Curtis
Lieut

Moons phase 2nd qr Dir. S.1°.

Examined and found to be correct

Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	7	0	se by e 1/4 e	NNW	6-8		29.95	60	56	56	55	bcqp	Cir Cum Nimb	3	R	[unreadable] reefed topsails
2	7	5	"	"	6-8		29.92	60	56	56	55	oqp	"	0	"	and foresail and
3	8	2	"	NW by N	6-8		29.92	60	56	56	55	bcq	"	6	"	F. T. M staysail
4	7	0	"	NW by W	6-7		29.92	60	56	56	55	bc	"	5	"	
5	6	0	"	W by S	5-6		29.94	60	56	56	55	bcp	"	6	"	
6	6		"	WSW	4-5		29.95	60	56	56	55	"	"	6	"	Shook two reefs out of
7	6		"	SW by W	4-5		29.98	60	56	56	55	bc	"	6	"	of topsails and foresail
8	6		"	"	4-5		30.02	60	56	56	55	"	"	8	"	set T G sails
9	6	7	"	"	4-5		30.05	59	55	55	55	"	"	6	"	
10	7	8	"	SW	5-6		30.09	58	55	54	56	"	"	8	"	
11	8	0	"	"	6-7		30.10	58	55	55	56	"	"	2	"	Shook reefs out of
Noon.	7	0	"	SSW	5-6		30.10	58	55	54	56	opq	"	0	"	topsails set main sail jib and spanker

[Note in left margin at Noon reads "S 36° 55' W 15° 0' "]

Distance run by Log since preceding Noon	165 knots	Tenths 4 fathoms.	
Latitude by D. R. at Noon	S 37 °	13	"
Longitude by D. R. at Noon	W 14 °	39	"
Latitude by Observations at Noon ⊕	S 36 °	55	30 "
Longitude by Chronometer from Forenoon Observations ⊕	W 14 °	55	"
Current during the time knots 7 tenths 4 per hour, setting to the N			
Variation of the Compass by Amplitude ⊕ observed at Sunrise			" [Note in left margin reads "Sg. 598"]
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. S 36° 52' Long W 15° 31'	W 18°	40	"
Water expended during the preceding 24 hours		316 gallons.	
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon		2384	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.																
1	6	0	ESE 1/4 E	S	5-6		30.15	58	55	55	56	bc	Cir Cum	5	M	
2	6	2	"	"	5-6		30.14	58	55	53	56	"	"	3	"	
3	6		"	"	5-6		30.15	58	53	52	56	"	"	2	"	
4	5		"	"	5-6		30.17	58	54	52	56	"	"	3	"	
5	8	5	"	"	3-4		30.18	58	53	52	56	"	"	5	"	
6	9	4	"	"	3		30.20	58	53	52	56	"	"	5	"	
7	8	4	"	SSE	3		30.22	58	53	51	56	"	"	4	"	
8	7	4	"	"	3		30.28	58	52	51	56	"	"	2	"	
9	8	7	ESE	SE by S	3		30.28	57	52	51	56	"	"	1	"	
10	8	5	"	"	3		30.27	57	52	51	56	"	"	1	"	
11	7	3	"	"	2		30.27	57	52	51	56	o	"	0	"	
Mid.	7	4	"	"	2		30.30	57	52	51	56	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕																
Longitude by Chronometer Observations									*							
Variation of the Compass by Amplitude									observed at Sunset							
Variation of the Compass by									at							

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday October 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Alternately clear and cloudy Very fresh breeze from N.N.W. shifting to N.W. by W. blowing in squalls with rain Cum Nimb clouds Ship under close reefed topsails and foresail fore topmast staysail On course Sea rough fires banked in two boilers Av[erage] press[ure] 20 lbs. Density 27 Moonlight

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy and cool Occasional passing rain latter part clear and pleasant. Moderate to fresh breeze from S. and W. At 6 shook two reefs out topsails both reefs out foresail and set T.G. sails At 7.30 shook reef out of topsails set single reefed mainsail jib and spanker. Cir Cum Nimb clouds Fires banked in two boilers Density 27. Long swell from S.W.

Saml. C. Lemly
Ensign

From 8 to Merid. Cloudy and cool. Passing showers of rain Wind moderate to fresh from SW by W to S.S.W. fresh in squalls At 8.50 hoisted flying jib main topmast staysail & set gaff topsail and loosed stormsails today. At 9.15 inspected at quarters. By order of Comdr. Michl Hays 1CT was released from confinement and restored to duty At 11 hauled down flying jib main topmast staysail, stormsails and gaff topsail Fires banked in two boilers Density 27 Long swell from SW.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy Cool Wind moderate to fresh from S. Bar[ometer] rising Moderate sea setting to N. and E. At 1.20 started fires in 4 boilers furled mainsail and set T. G. sails At 3 took in T. G. sails At 4 took in all square sail and started steaming with 6 boilers Density 26

C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy Cool Gentle breeze from S. Furled sail Ship under jib F T M stay sail main topsail and gaff topsail Long swell from S.W. Density 26. Steaming under six boilers Av steam press 50 lbs Rev[olutions] 52.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy Cool and pleasant Gentle breeze from S.S.E. At 6.55 stopped engine to alter position of main steam valve on high pressure cylinder. At 7.10 started ahead slowing under six boilers Rev 52. Steam 55 lbs. Under fore and aft sail Long swell from S. Density 26

Sam. C. Lemly
Ensign

From 8 to Midnight. Cloudy and cool Light to gentle breeze from S.E. by S. and S.E. Steaming with six boilers At 8 changed course to E.S.E. At 9.30 took in gaff topsail Av steam pressure 50 lbs. Rev. 48. Density 26.

C. B. T. Moore
Ensign

Moon's phase 2nd qr Dir. N.4°.

Examined and found to be correct

Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

		WINDS.				BAROMETER.		TEMPERATURE.												
Hour.	Knots.	Exhaustive TENTHS.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.				
A.M.																				
1	8	4	ESE	SE	2		30.31	57	52	51	56	bc	Cir Cum	1	S					
2	1	4	"	"	2		30.30	57	52	51	56	"	"	1	"					
3	7	1	SE	"	2		30.30	57	52	51	56	"	"	1	"					
4	7	0	"	"	2		30.30	57	52	51	56	"	"	1	"					
5	1	8	SE 1/2 E	"	0-1		30.30	57	53	52	56	"	"	1	"					
6	3	0	"	NE	0-1		30.30	57	53	52	56	"	"	1	"					
7				"	0-1		30.32	57	53	52	56	"	"	3	"					
8				"	0-1		30.34	57	53	52	56	"	"	2	"					
9	Lying to off the Island of Tristan L' Aculia			ENE	1-2		30.35	57	54	55	56	"	"	2	"					
10				"	1-2		30.35	57	56	54	56	"	"	2	"					
11			"	NE	1-2		30.35	60	58	57	56	"	"	2	"					
Noon.			"	"	1-2		30.35	60	59	57	56	"	"	2	"					
Distance run by Log since preceding Noon											117 knots			Tenths						
Latitude by D. R. at Noon												°	'	"						
Longitude by D. R. at Noon												°	'	"						
Latitude by Observations at Noon ⊕ by bearing											S 37	°	1	'	"					
Longitude by Chronometer from Forenoon Observations ⊕ by bearing											W 12	°	20	'	"					
Current during the time																				
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°		"						
Variation of the Compass by Azimuth ⊕ observed at												°		"						
Water expended during the preceding 24 hours															230 gallons.					
Water during the preceding 24 hours																				
Water remaining on hand fit for use at noon															2154					
Coal consumed during the preceding 24 hours																				
Coal remaining on hand at Noon																				
P.M.																				
1	3	5	e se by e 3/4 e	NE	3		30.34	58	57	55	56	bc	Cir Cum	2	S	All plain sail				
2	7	4	"	"	3		30.33	58	57	55	56	"	"	4	"					
3	8	0	"	NE by N	3		30.35	58	57	55	57	"	"	2	"					
4	7	0	"	NE	3		30.35	58	56	55	57	"	"	1	"	Same				
5	7	4	"	NE by N	4		30.35	59	56	55	57	"	"	2	"					
6	7	6	"	"	4		30.35	59	56	55	57	"	"	3	"	Took in royals F				
7	7	4	"	"	4		30.33	59	56	55	57	"	"	5	"	jib main topmast stay sail				
8	7	8	"	"	5		30.34	59	56	54	57	"	"	7	"	and main top sail				
9	8	0	"	ENE	5		30.34	59	56	54	57	"	"	4	"	set reefed mainsails				
10	8	6	"	"	5		30.34	59	56	54	57	"	"	5	"	took in gaff topsails				
11	8	6	"	"	5		30.34	59	56	54	57	"	"	5	"					
Mid.	8	5	"	"	5		30.30	59	56	54	57	"	"	3	"					
[Note in left margin at 8 PM reads " S 37° 7' W 11° 2' "]																				
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"						
Longitude by Chronometer Observations											*		°	'	"					
Variation of the Compass by Amplitude													°	'	"					
Variation of the Compass by													°	'	"					
at																				

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday October 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy Cool Wind light from S.E. Bar[ometer] falling. Sea smooth. Considerable swells to N. and E. Made high land at 12.45 bearing S.E. 1/2 S. and at 1 land bearing S. by [unreadable] Changed course at 2.10 to S.E. At 2.47 to S.E. 1/2 E. At 3.05 got cast of lead no bottom at 80 fath[oms] At 3.30 brought ships head to sea and stopped engines. At end of watch middle part of Tristan La Coulia bore S.E. by E. and inaccessible S.W. 1/2 W. Steam in six boilers Density 26

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy Cool Light airs from N.E. Cum Nimb clouds Laying of Tristan La Cunlia Steam in six boilers Steam 55 lbs Density 26. Boats from shore alongside.

L. P. Jerrett
Lieut

From 8 to Merid. Cloudy and pleasant. Light breeze from N. and E. Cir Cum clouds Boats with residents of Tristan communicating with ship. At 11 a bridal party came on board Marine Johnson and Masy Ave Green were married Comdg Officer performing ceremony. Under steam laying off and on. Density 26.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Gentle breeze from N.E. to N.E. by N. At 12 started ahead steam in six boilers At 12.20 set fore and aft sail At 2.45 set fore sail At 1 crossed royal yards At 2 set topsails and T. G. sails. At 3.15 set royals and main topmast staysail At 3.05 stopped steaming uncoupled propeller hauled fires in 4 boilers banked fires in two boilers. Ship under all plain sail except mainsail and main topmast staysail. Density 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy Cool Moderate breeze from N.E. by N. Bar steady Sea smooth. At 5 commenced distilling Fires banked in two boilers. Density 26

C. K. Curtis
Lieut

From 6 to 8 P.M. Cloudy Cool Pleasant Bright moonlight Moderate to stiff breeze from N. & E. At 6 took in royals flying jib and main [writing smudged] took one reef in topsails. At 6.30 set mainsail, took in main royals. At 7 took in gaff topsail. Course S.E. by E 3/4 E. Fires banked in two boilers Av[erage] press 30 lbs Distilling. Density 26.

L. P. Jerrett
Master

From 8 to Midnight. Cloudy Cool Pleasant Stiff breeze from E.S.E. Cir Cum clouds Fires banked in two boilers. Av steam press 30 lbs. Distilling. Density 26. Bright moonlight

Sam. C. Lemly
Ensign

Moon's phase 2nd qr Dir. N.9°.

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio Janeiro to Cape Town South Africa

Hour.	Knots.	TENTHS.	WINDS.		Force.	Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.			Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	9		SE by E 3/4 E	NE by N	6		30.31	58	56	55	57	o	Cir Cum	0	S	Jib F T M staysail
2	8	5	"	"	5-6		30.31	58	56	55	56	"	"	0	"	courses single reefed
3	8	6	"	"	5-7		30.29	58	55	55	56	bc	"	1	"	topsails T. G. sails
4	8	6	"	"	5-6		30.29	58	55	55	56	o	"	0	"	and spanker
5	8	0	"	"	5-6		30.29	58	55	55	56	bc	"	1	"	
6	7	4	"	"	5-6		30.29	58	56	55	56	"	"	1	"	
7	7	6	"	"	5-6		30.30	58	56	55	56	"	"	1	"	Plain sail to top
8	8	2	"	"	5-6		30.32	59	56	56	56	"	"	2	"	gallant sails
9	9	0	"	"	5-6		30.32	59	56	56	56	"	"	3	"	fore and main
10	9	4	"	"	66		30.32	58	57	57	56	"	"	4	"	topmast stay sail
11	9	8	"	"	6		30.32	58	58	58	55	"	"	6	"	
Noon.	8	0	"	N	6		30.30	58	58	58	55	"	"	7	"	

[Note in left margin at 3 AM reads " S 17° 20' W 10° "]

Distance run by Log since preceding Noon	197 knots	Tenths	
Latitude by D. R. at Noon	S 37 °	20	"
Longitude by D. R. at Noon	W 8 °	14	"
Latitude by Observations at Noon ⊕	S 37 °	24	45 "
Longitude by Chronometer from Forenoon Observations ⊕	W 8 °	15	"
Current during the time knots fms per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise			
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat S 37° 23' Long W 9° 0'	W 23 °		
Water expended during the preceding 24 hours		216 gallons.	
Water Condensed during the preceding 24 hours		500 "	
Water remaining on hand fit for use at noon		2438 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin reads "Sg. 599"]

P.M.																
1	2	5	se by e 3/4 e	N x E	6		30.28	58	56	58	54	bc	Cum Nimb	2	M	
2	10		"	"	6		30.28	58	56	56	54	"	"	4	"	
3	10		"	"	6		30.28	58	56	56	54	"	"	2	"	
4	10		"	"	6		30.28	58	56	55	54	"	"	2	"	All plain sail to
5	10		"	NNE	6		30.28	58	56	55	54	o	"	0	"	T. G. sails except
6	10		"	"	6		30.28	58	54	54	54	o	"	0	"	mainsail
7	9	3	"	"	6		30.31	57	54	54	54	"	"	0	"	
8	8		"	"	5-6		30.31	57	54	54	54	bc	"	1	"	Single reefed topsails
9	8		"	"	6		30.30	57	54	54	54	"	"	1	"	foresail T G sails
10	8	4	"	"	6		30.30	57	54	54	54	"	"	1	"	jib F T M stays and
11	8		"	"	6		30.30	57	54	54	54	"	"	1	"	spanker
Mid.	8		"	"	6		30.28	57	54	54	54	"	"	1	"	

[Note in left margin at 8 PM reads " S 37° 25' W 6° 38' "]

Longitude by Chronometer from Afternoon Observations ⊕																Under T G sails single reefed topsail forecourse main topsail jib F.T.M. stays and spanker
Longitude by Chronometer Observations									*							"
Variation of the Compass by Amplitude									observed at Sunset							"
Variation of the Compass by									at							"

under the command of Commander W. Scott Schley, U. S. Navy.
Friday Oct ~~42~~ 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool. Stiff to fresh breeze blowing very fresh puffs from N.E. by N. Sea smooth Bar[ometer] falling slowly fires banked in two boiler Distilling Density 26.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy Cool Wind fresh from ~~N~~ N.E. Bar rising Sea smooth. Shook reef out topsail and set main topmast staysail and gaff topsail Fires banked in two boilers Distilling Density 26

C. K. Curtis
Lieut

From 8 to Merid. Clear. Pleasant. Fresh breeze from N.N.E. Cir Cum Nimb clouds. At 9.10 exercised at fire quarters Ship under all plain sail to T. G. sails and main topmast staysail. Slushed spars Fires banked in two boilers Steam press 30 lbs. Distilling On course Density 27

L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy Cool Pleasant Fresh breeze from N. by E. Bar steady At 12.15 changed course to E.S.E. At 1.10 hauled up main sail set main topsail clewed up main T.G. sail and set up T. G. backstay At 2.05 set main top G sail Fires banked in two boilers Distilling Density 27

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Overcast. Cool. Fresh breeze from N.N.E. Bar steady Sea moderate Ship under all plain sail to T. G. sails, except mainsail, with ~~gaff topsail and~~ main topmast staysail Fires banked in two boilers. Distilling Density 27.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy Cool Wind fresh from N.N.E. Bar rising. Moderate sea At 6 took single reef in topsails hauled down and stowed main topmast staysail and gaff topsail Fires banked in two boilers Distilling Density 27.

C. K. Curtis
Lieut

From 8 to Midnight. Cloudy Cool Fresh N.N.E. breeze Cir Cum Nimb clouds Obscured moonlight Ship under T G sails single reefed topsails foresail main trysail jib FTM stays and spanker. At 10.30 stopped distilling and hauled fires. Density 27.

L. P. Jerrett
Master

Moon's phase 3rd qr Dec. N.14 °.

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro to Cape Town South Africa

Hour.	Knots.	EASES. TENTHS.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M.															
1	9		ESE	North	6	30.28	57	54	54	54	bc	Cir Cum	4	M	Single reefed topsails)8
2	9	5	"	"	6	30.24	57	54	54	54	"	"	2	"	sails F T M says main
3	9	4	"	"	6	30.20	57	54	54	54	"	"	2	"	trysail and spanker
4	9	2	"	"	6	30.18	57	54	54	54	"	"	2	"	
5	9	2	"	"	6	30.17	56	54	54	54	"	"	3	"	Same with foresail
6	9	2	"	"	6	30.16	56	54	54	54	o	"	0	"	
7	9	0	"	NNE	6	30.15	56	54	54	54	"	"	0	"	
8	8	6	"	"	6	30.15	56	55	55	54	bc	"	0	"	Single reefed topsails
9	9	4	"	"	6	30.15	56	57	57	54	"	"	2	"	and squaresail jib F T M
10	9	0	"	"	5-6	30.17	57	58	58	54	"	"	3	"	staysail and spanker
11	10	2	"	"	6	30.18	58	58	57	54	"	"	4	"	
Noon.	8	6	"	"	6	30.18	58	58	58	54	"	"	2	"	

[Note in left margin at 7 AM reads "S 37° 30' W 5° "]

Distance run by Log since preceding Noon	220 knots	Tenths	6	fathoms.	
Latitude by D. R. at Noon	S 37 °	25	'	"	
Longitude by D. R. at Noon	W 3 °	39	'	"	
Latitude by Observations at Noon ⊕	S 37 °	32	'	"	
Longitude by Chronometer from Forenoon Observations ⊕	W 3 °	48	'	"	
Current during the time knots fms per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise			"	"	[Note in left margin reads "Sg. 600"]
Variation of the Compass by Azimuth ⊕ observed at 6 AM Lat. S 37° 32' Long W 4° 35'	W 26 °		"	"	
Water expended during the preceding 24 hours		216	gallons.		
Water Condensed during the preceding 24 hours		453	"		
Water remaining on hand fit for use at noon		2675	"		
Coal consumed during the preceding 24 hours	tons	lbs.			
Coal remaining on hand at Noon	"	"			

P.M.														Set main topmast staysail	
1	1	9	ESE	N by E	6-7	30.15	58	58	58	54	bc	Cir Cum Nimb	1	M	Took in main topmainstaysail
2	1	9	"	"	7	30.12	58	58	58	53	"	"	2	R	
3	1	2	SE by E 3/4 E	"	7	30.10	58	58	58	55	"	"	2	"	
4	1	8	"	"	7	30.10	58	58	58	55	"	"	1	"	Took in T G sails
5	1	0	"	"	7	30.08	58	57	57	55	"	"	1	"	
6	8	0	ESE 1/2 E	"	7	30.05	58	57	57	55	"	Cum Nimb	1	"	Close reefed topsails
7	8	0	SE by E 3/4 E	"	7	30.08	58	57	57	57	o	"	0	"	single reefed fore sail
8	8	0	"	"	7	30.08	58	57	57	57	"	"	0	"	hauled down spanker
9	8	5	"	"	7	30.08	58	57	57	57	oqr	"	0	"	hauled down jib
10	6	0	"	N by W	5-6	30.07	58	57	57	57	"	"	0	"	
11	6	0	"	NW by N	4-6	30.07	57	57	57	57	bcq	"	1	"	
Mid.	4	6	"	"	3-4	30.07	57	57	57	57	bc	"	1	"	

[Note in left margin at 8 PM reads "S37° 32' W 2° 9' "]

Longitude by Chronometer from Afternoon Observations ⊕															
Longitude by Chronometer Observations								*							
Variation of the Compass by Amplitude								observed at Sunset							
Variation of the Compass by								at							

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday October 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool and pleasant. Fresh breeze from N. Bright moonlight Cir Cum clouds. Ship on course E.S.E. Density 26

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Cool. Fresh breeze from N. to N.N.E. Bar[ometer] falling slowly. Sea moderate. Ship on course E.S.E. Density 27.

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy. Cool. Fresh breeze from N.N.E. Bar. rising slowly. Sea smooth. At 8.15 set single reefed mainsail Density 27.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy. Very fresh breeze from N. by E. At 12.05 set main topmast staysail and at 12.30 took it in At 3.30 sent down royal yards At 3.55 took in and furled T. G. sails At 2 changed course to $\frac{1}{2}$ S.E. by E $\frac{3}{4}$ E. Ship under single reefed topsails courses foretopmast staysail jib and spanker On course Got up topsail and lower preventer braces. Density 27.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy and threatening. Very fresh breeze from N by E. At 5.30 hauled down and stored jib close reefed topsails single reefed foresail and hauled down head of spanker Rough sea Density 26

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Overcast and disagreeable Very fresh breeze from N by E. Bar rising slowly Sea rough. Ugly threatening weather. Moon rose at 7.50 Ship on course SE by E $\frac{3}{4}$ E. Density 27

C. B. T. Moore
Ensign

From 8 P.M. Cloudy. Squally and rainy Clearing latter part of watch. Bar steady Sea moderate Ship rolling considerably at times. Fresh breeze with strong puffs from N by E to NW by N decreasing to gentle breeze at end of watch. At 9.00 took in and furled mainsail Density 27 Sighted a sail during watch standing to S. and E.

C. K. Curtis
Lieut

Moon's phase 3rd qr Dec. N.19 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns,
Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.	<div><div>Seconds.</div><div>TENTHS.</div></div>	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. air'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M.																
1	4	8	SE by E 3/4 E	NW by N	4-5		30.00	59	56	56	54	bc	Cir Cum Nimb	8	R	Close reefed topsails
2	5	0	"	"	4-5		30.00	59	56	56	54	"	"	"	"	single reefed foresail
3	5	0	"	NW	4-5		30.00	59	56	56	54	bcg	"	"	"	and F T M staysail
4	4	5	"	WNW	4		30.00	59	56	56	54	"	"	"	"	
5	4	5	"	"	4		30.00	59	56	56	54	"	"	"	"	Shook two reefs out of
6	4	5	"	"	4		30.00	59	54	54	54	"	"	"	"	topsails and one out
7	5	0	"	W	4		30.00	59	54	54	54	"	"	"	"	foresail set T G sails
8	5	4	"	"	4		30.00	59	54	52	54	"	"	"	"	
9	5	4	"	WSW	4		30.00	59	54	54	54	"	"	"	"	Shook reefs out tops
10	6	6	"	SW by W	4		30.05	58	54	54	54	bcqr	"	"	"	sent up royal yard
11	6	2	"	SW	4		30.05	58	55	55	55	"	"	"	"	and set royals.
Noon.	6	0	"	"	4		30.05	58	55	55	55	"	"	"	"	

Distance run by Log since preceding Noon	162 knots	Tenths 8 fathoms.	
Latitude by D. R. at Noon	S 37 °	32	"
Longitude by D. R. at Noon	W 0 °	22	"
Latitude by Observations at Noon ⊕	S 37 °	32	"
Longitude by Chronometer from Forenoon Observations ⊕	W 0 °	15	"
Current during the time knots fms per hour, setting to the			[Note in left margin reads "Sg. 600"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat S 37° 32' Long W 0° 44'	W 28 °	"	"
Water expended during the preceding 24 hours		216	gallons.
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon		2459	"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"
[Notes in left margin: At 2 PM reads " Lat S 37° 32' Long 0° 0' "; at 5 PM reads "Sg. 1416"; at 8 PM reads " S 37° 32' E 0° 58' "]			

P.M.

1	8	5	SE by E 3/4 E	SSW	4	30.08	58	55	55	55	bc	Cir Cum	3	M	All plain sail
2	8	0	"	"	4	30.08	58	55	55	55	"	"	4	"	to royals and
3	7	0	"	"	4	30.08	59	55	55	55	bcqd	"	3	"	main topmast staysail
4	7	5	"	"	3-5	30.09	59	55	55	55	bc	"	5	"	
5	7	9	"	"	4	30.09	59	55	55	55	"	"	5	"	
6	7	8	"	"	4	30.09	59	55	55	55	"	"	5	"	
7	6	0	"	S by W	4	30.09	59	55	55	55	"	"	4	"	Single reefed topsail
8	5	6	"	"	4	30.12	59	54	54	55	"	"	2	"	furled royal royals
9	6	2	"	"	4	30.13	59	54	54	54	o	"	0	"	hauled down main T stays
10	7	8	"	"	5	30.10	59	54	54	54	"	"	0	"	jib F T M staysail single
11	8	4	"	SSW	5	30.15	59	53	53	54	"	"	0	"	reefed topsails courses
Mid.	7	6	"	"	4	30.14	59	53	53	53	"	"	0	"	T G sails & spanker

[Note in left margin, at 8 PM reads " S 37° 32' E 0° 58' "]

Longitude by Chronometer from Afternoon Observations ⊕

Longitude by Chronometer Observations

Variation of the Compass by Amplitude

Variation of the Compass by

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday Octo 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partially clear. Cool Moderate breeze from W.N.W. Rain squalls last two hours of watch. Ship under single reefed topsails single reefed fore sail and S. T. M staysail On course Density 27.

L. P. Jerrett
Master

From 4 to 8 A.M. Partially overcast Moderate breeze from W.N.W. latter part gentle to moderate from W. Occasional passing showers. At 5 shook two reefs out of topsails and one out of foresail and set T.G. sails At 6 sighted a vessel bearing ahead At 7.30 shook reef out topsails sent up royal yards, and set royals. Ship on course Density 27

Sam. C. Lemly
Ensign

From 8 to Merid. Cloudy and squally. Light sprinkling of rain latter part of watch. Bar[ometer] steady last 3 hours from smooth Moderate swell from S. and W. At 9.30 set mainsail. At 10.05 inspected at quarters afterwards. Read articles for the better government ~~were read~~ and prayers were read by Comdg Officer & crew mustered At 10.30 hoisted jib and main topmast staysail and set spanker. Density 27.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy Cool Moderate breeze from S. S. W. Occasional rain squalls Bar rising slowly. Sun smooth At 12.45 set flying jib and gaff topsail Density 26.

C. K. Curtis
Lieut

From 4 to 6 P.M. Clear Cool Moderate SSW breeze Cir Cum Nimb clouds Ship under all plain sail to royals and main topmast staysail On course Density 27.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy Cool and pleasant Moderate breeze from S by W. At 6.10 took single reef in topsails furled royals hauled down and stowed main topmast staysail and flying jib. Density 27.

Sam. C. Lemly
Ensign

From 8 to Mid. Overcast Cool Ugly threatening weather. Light sprinkling of rain occasionally. At 8.05 changed course to SE by E 1/2 E Moderate to stiff breeze from S by W and S.S.W. Sea smooth. Density 27

C. B. T. Moore
Ensign

Moon's phase 3rd q. N. 22 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Cape Town South Africa

Hour.	Knots.		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	6	0	SE by E 1/2 E	SSW	4		30.04	57	53	53	54	opqo	Cir Cum	0	S	Single reefed topsails
2	5	6	"	"	3-4		30.10	57	53	53	54	"	"	0	"	T G sails jib F T M staysail
3	4	4	"	SW by W	3		30.07	57	53	53	54	"	"	0	"	foresail single reefed
4	4	6	"	"	3-4		30.07	57	53	53	54	"	"	0	"	mainsail
5	4	6	"	"	3		30.05	57	53	53	54	"	"	0	"	
6	6	6	"	"	4		30.05	57	53	53	54	"	"	0	"	
7	6	4	"	"	4		30.05	57	53	53	54	"	"	1	"	Made sail to royals
8	6	4	"	WSW	4		30.05	57	53	53	54	"	"	1	"	
9	6	0	"	"	4		30.05	57	54	54	54	"	"	1	"	
10	6	0	"	"	4		30.05	57	54	54	54	"	"	1	"	Hauled down F.T.Main
11	6	6	"	West	4		30.05	57	54	54	54	"	"	1	"	hauled down & clewed
Noon.	6	0	"	"	4		30.00	57	55	55	54	"	"	1	"	f jib

Distance run by Log since preceding Noon

156 knots

Tenths
9 fathoms.

Latitude by D. R. at Noon

S 37 °

35

'

"

Longitude by D. R. at Noon

E 3 °

1

'

"

Latitude by Observations at Noon ⊕

S 37 °

18

'

"

Longitude by Chronometer from Forenoon Observations ⊕

E 2 °

52

'

"

Current during the time 0 knots 7 tenths per hour, setting to the N.N.W.

N.N.W.

[Note in left margin reads "Sg. 1416"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

"

"

Variation of the Compass by Azimuth ⊕ observed at 8 AM. Lat S 37° 20' Long. E 2° 21'

W 28 °

30

"

"

Water expended during the preceding 24 hours

216 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at noon

2243

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

All plain sail with

1	6	2	SE by E	W	4		29.98	57	56	55	54	bc	"	1	L	with jib M T M staysail
2	6	4	"	"	4		29.95	59	55	55	54	"	"	1	"	and spanker
3	7	2	"	WSW	4		29.94	59	55	55	54	"	"	1	"	
4	8	5	"	"	5		29.94	59	54	54	54	"	"	1	"	Same with F T M
5	9	2	"	W by S	5-6		29.93	59	54	53	54	bcq	"	1	"	staysail
6	9	2	"	"	5-6		29.93	59	54	53	54	"	"	2	"	
7	8	7	"	"	6		29.88	59	53	52	54	"	"	1	"	Took in royals and M T
8	9	5	"	"	6		29.88	59	53	53	54	bcqp	"	1	"	M staysail and took
9	8	5	"	"	5		29.88	59	51	51	54	bcp	"	1	"	one reef in topsail
10	8	0	"	"	5		29.85	58	51	51	54	bc	"	5	"	hauled up spanker
11	7	0	"	"	5		29.80	57	51	51	54	bcpl	"	3	"	
Mid.	7	2	"	"	5		29.78	57	51	51	54	bcp	"	3	"	

Longitude by Chronometer from Afternoon Observations ⊕

°

'

"

Longitude by Chronometer Observations

*

°

'

"

Variation of the Compass by Amplitude

observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"

under the command of Commander W. Scott Schley, U. S. Navy.
Monday October 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy Squally Moderate breeze from S.S.W. and S.W. by W. Drizzling rain during portion of watch. Bar[ometer]. falling Sea smooth. Ship under single reefed topsails foresail single reefed main sail and top gallant sails

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy Cool Pleasant Moderate S.W. by W. breeze Cum Nimb clouds At 7.30 shook reefs out of topsails and set royals flying jib gaff topsail and main topmast staysail. Hauled down main topmast staysail On course Long swell from S.W. Density 26.

L. P. Jerrett
Master

From 8 to Merid. Cloudy. Cool. Pleasant. Moderate breeze from W.S.W. to W. At 9.15 beat to general quarters Divisions reported ready as follows: Eng. Div. 9 m[inutes] 16 s[econds], Nav. Div. 9 m 20 sec, Pdr [Powder] 9 m 18 sec, 2nd [Division] 9 m 20 sec, 1st [Division] 9 m 20 sec. Exercised divisions at general quarters. At 9.40 hauled down and stowed f. jib and f.m. staysail. Geo. L. Adams P.M. was given 12 hours extra duty for being slovenly in dress and disrespectful to Seargt. Boyce when corrected for the same and James W. Elias Lds 2 hrs extra duty for being out of uniform after being repeatedly warned. By order of Comdr. Density 26.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Moderate to stiff breeze from W. to W.S.W. Bar falling Long swell from W. Hoisted main topmast staysail at 3.45. One sail in sight at end of watch on lee quarter Density 27.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy. Squally. Fresh breeze from W by S. Bar steady Sea smooth At 5 set ~~main~~ fore topmast staysail. One sail in sight at end of watch. Density 27

C. K. Curtis
Lieut

From 6 to 8 P.M. Overcast passing showers Squally Cool Fresh breeze from W. by S. At 6.10 took in royals main topmast staysail and one reef in topsails At 6.30 hauled down F.T.M staysail. On course. Density 27.

L. P. Jerrett
Master

From 8 to Mid. Cloudy. Cool. Stiff breeze from W. by S. Occasional rain squalls and lightening from W. At 11.50 furled T.G. sails Took second reef in topsails. Long swell from S.W. Bar falling. Density 26.

Sam. C. Lemly
Ensign

Moon's phase 3rd qr Dec. N.25°.

Examined and found to be correct

Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro Brazil to Capetown South Africa.

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
A.M.																	
1	8	5	SE by E	WSW	7-8	29.75	56	50	50	54	bcfqr	Cum Nimb	2	L	F. T. M. staysail, close		
2	6	0	SE by E 1/2 E	"	7-8	29.70	56	49	49	54	oqn	"	0	"	reefed topsail and		
3	7	0	"	"	7-8	29.70	56	49	49	54	bc	"	8	"	foresail		
4	7	8	"	"	6-7	29.67	56	49	49	54	"	"	5	"			
5	7	0	"	"	6-7	29.67	56	49	48	54	bcq	"	4	R	Double reefed topsails		
6	7	0	"	"	6-7	29.67	56	49	49	55	"	"	2	"	foresail single reefed.		
7	7	2	"	SW	6-7	29.67	56	49	49	55	"	"	3	"	Mainsail and F.T.M.		
8	8	0	"	"	6-8	29.67	56	50	50	55	"	"	3	"	staysail.		
9	2 4 6	4	SE by E	"	7-8	29.65	55	50	50	56	"	"	3	"			
10	9	8	"	"	6-9	29.68	55	51	50	57	"	"	3	"			
11	7	6	"	"	7	29.68	55	52	51	58	bcqp	"	4	"	Shook one reef out topsails, and set jib.		
Noon.	6	0	"	"	6-7	29.68	55	52	51	58	"	"	5	"			
Distance run by Log since preceding Noon										184 knots	Tenths						
Latitude by D. R. at Noon										S 37 °	0	34	'	"			
Longitude by D. R. at Noon										E 6 °	0	42	'	"			
Latitude by Observations at Noon ☉										S 37 °	0	10	'	26	"		
Longitude by Chronometer from Forenoon Observations ☉										E 6 °	0	42	'	"			
Current during the time			1 knots	0 tenths	per hour, setting to the					N.	[Note in left margin reads "Sg 1417]						
Variation of the Compass by Amplitude ☉ observed at Sunrise											0		"	"			
Variation of the Compass by Azimuth ☉ observed at 8 A.M. Lat. 37° 10' S Long 6° 4' E										W 30 °	0	50	"	"			
Water expended during the preceding 24 hours													286	gallons.			
Water during the preceding 24 hours														"			
Water remaining on hand fit for use at noon													1957	"			
Coal consumed during the preceding 24 hours												tons		lbs.			
Coal remaining on hand at Noon												"		"			
P.M.																	
1	7	6	SE by E	SW	6	29.68	56	52	51	58	bc	Cir Cum Nlmb	4	R	Set F. T. G. sail.		
2	8	4	"	"	6	29.68	56	52	51	58	bcqp	"	4	"			
3	9	0	"	"	6-7	29.67	56	52	51	58	o	"	4	"	Furled F.T.G. sail.		
4	9	0	"	"	6-7	29.65	56	52	51	58	oq	"	4	"			
5	10	2	"	"	8-9	29.63	56	53	52	57	"	"	0	"	Fore storm staysail, close reefed topsails Close		
6	3	0	"	"	8-9	29.61	56	53	53	57	"	"	0	"	Reef foresail.		
7	5	6	"	"	7-8	29.63	56	53	53	56	"	"	0	"			
8	5	6	"	"	7-9	29.65	56	53	53	56	"	"	0	"	Same.		
9	1	To N. & E.	SE to ESE	"	8-9	29.66	56	53	53	56	bcqm	"	3	"	Took in fore sail and fore topsail		
10	1		se by s to se by e	"	8-9	29.71	56	53	53	56	"	"	4	"	Set storm mizzen and mizzen		
11	1		"	"	8-9	29.71	54	53	53	56	"	"	1	"	Staysail hauled down F staysail		
Mid.	1		"	"	8-9	29.73	54	57	51	56	oq	"	0	"			
[Note in left margin at 8 PM reads " S 37° 16' E 7° 53' "]																	
Longitude by Chronometer from Afternoon Observations ☉												0	'	"			
Longitude by Chronometer Observations										*		0	'	"			
Variation of the Compass by Amplitude										observed at Sunset		0	'	"			
Variation of the Compass by										at		0	'	"			

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday October 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cold. Squally, ugly, threatening weather first part of watch, cleaning up latter part. Fresh breeze to moderate gale from W.S.W. Barometer falling. Long heavy swell from S.W. Finished double reefing topsails, took close reef, hoisted F.T.M. staysail, hauled down jib. Got up preventer braces. At 1 AM changed course to S.E. by E. 1/2 E. Density 26.

C. B. T. Moore
Ensign

4 to 8 A.M. Cloudy and squally. Cool. Drizzling rain at intervals during watch. Barometer steady. Blowing fresh increasing at times to moderate airs from S.W. Sea rough, setting to S. & E. At 7.00 shook one reef out of topsails, and set single reefed mainsail. One sail in sight at end of watch. Density of sea water 26.

C. K. Curtis Lieut

8 to Merid. Cloudy. Squally. Light passing showers. Cum. Nimb. clouds. Very fresh wind from S.W. blowing in squalls. At 8.15 changed course to S.E. by E. At 10.30 shook one reef out of topsails, and set jib. Ship under single reefed topsails, jib, fore topmast staysail and courses. On the course. Density of sea water 26.

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy. Squally and light passing showers. Cir. Cum. Nimb. clouds. Fresh to very fresh breezes from S.W. At 12.10 set T.G. sails. At 2.40 furled T.G. sails. At 3.45 sent down royal yards. Rough sea. Density 26. On course S.E. by E.

Sam. C. Lemly
Ensign

4 to 6 P.M. Overcast, cool and disagreeable. Squally. ~~Fresh~~ Moderate to ~~very fresh breeze~~ strong gale from S.W. Sea rough. Barometer falling. At 5.00 took close reef in topsails and foresail and furled mainsail. Hoisted fore storm staysail, and hauled down F.T.M. staysail. Got up preventer topsail sheets. Density 27.

C. B. T. Moore
Ensign

6 to 8 P.M. Cloudy. Squally. Ugly. Disagreeable weather. Blowing a moderate to ~~stiff~~ strong gale from S.W. Barometer rising slowly. Sea rough. At 6.45 sent down topgallant yards. At 7.20 started fires in 6 boilers. Density sea water 27.

C. K. Curtis
Lieut

8 to Midnight. Cloudy. Blowing fresh gale from S.W. At 8.10 took in foresail and foretopsail and lay to under close reefed main topsail. At 10.10 commenced steaming slowly under 6 boilers. Set fore storm staysail. Steam pressure 50 lbs. 25 revolutions. Density 26.

L. P. Jerrett
Master

Moon's phase 3rd qr Dec. N. 27°.

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro, Brazil, to Capetown South Africa.

Hour.	Knots.	Calculated TENTHS	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.															
1	Lying to		se by e to se by s	SW		29.72	54	51	50	54	oqg	Cir Cum Nimb	0	R	Close reefed M. Topsail, F storm staysail
2			W	"		29.75	54	51	50	54	"	"	0	"	
3			"	"		29.77	54	51	50	54	"	"	0	"	
4			"	"		29.73	54	51	50	54	"	"	0	"	
5	"		SE by E	"		29.73	54	51	50	54	oq	"	0	"	F. storm staysail
6	"		"	SW by S		29.74	52	50	49	54	"	"	0	"	Miz " "
7	"		SE	"		29.80	52	51	50	54	"	"	0	"	Storm mizzen
8	"		"	SSW		29.83	52	51	50	54	"	"	0	"	
9	Drift E by N	5	"	"		29.87	52	51	50	54	"	"	0	"	Close reefed topsail,
10	"	"	E	"		29.91	52	51	49	54	"	"	0	"	fore sail and fore
11	2		SE by E 1/2 E	SW by S		29.91	52	51	49	54	"	"	0	"	storm staysail.
Noon.	3	5	"	"		29.92	52	51	50	54	"	"	0	"	

[Note in left margin at 8 AM reads "S 36° 30' E 8° 8' "]

Distance run by Log since preceding Noon

64 knots

Tenths
4 fathoms.

Latitude by D. R. at Noon

S 37 °

13

"

Longitude by D. R. at Noon

E 8 °

1

"

Latitude by Observations at Noon ⊕

S 36 °

46

36 "

Longitude by Chronometer from Forenoon Observations ⊕

E 8 °

15

"

Current during the time knots fms per hour, setting to the

°

"

"

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

"

"

[Note in left margin reads " Sg 1417"]

Variation of the Compass by Azimuth ⊕ observed at

Water expended during the preceding 24 hours

316 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at noon

1640 "

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	3	8	SE by E	SW by S	6-7	29.92	54	51	50	54	bcq	Cir Cum Nimb	2	R	Shook one reef out of topsails and foresail
2	4	7	"	"	6-7	29.92	65	51	50	54	"	"	1	"	Took in storm mizzen and mizzen T.M. staysail and set spanker and
3	5	4	"	SSW	6-7	29.92	66	52	51	53	"	"	4	"	M. topsail. Set F.T. M. staysail Hauled down F. Main staysail.
4	5	5	"	"	6-7	29.92	67	52	51	53	"	"	3	"	
5	5	0	"	"	6-7	29.92	67	52	51	53	"	"	2	"	Took in spanker.
6	4	0	"	"	6-7	29.94	67	52	51	53	"	"	2	"	F.T.M. staysail, double reefed topsails, single reefed foresail and M. trysail.
7	3	6	SE 1/2 E	"	6-7	29.96	64	52	51	55	oq	"	0	"	
8	3	6	"	"	6-7	29.9	62	52	51	55	"	"	0	"	
9	3	0	"	SW	4-6	30.00	61	52	51	55	"	"	0	"	
10	3	5	"	"	5-7	30.01	59	51	50	55	"	"	0	"	
11	3	7	"	"	4-6	30.01	59	51	50	55	"	"	0	"	
Mid.	3	3	"	"	3-6	30.02	59	51	50	55	"	"	0	"	

[Note in left margin at 8 PM reads " S 36° 47' E 8° 59' "]

Longitude by Chronometer from Afternoon Observations ⊕

°

"

"

Longitude by Chronometer Observations

*

°

"

Variation of the Compass by Amplitude

observed at Sunset

°

"

Variation of the Compass by

at

°

"

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday October 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, gloomy, and squally. Occasionally blue sky and moonlight. Blowing fresh gale from S.W. Ship rolling through from 30° to 35°. Steam under six boilers pressure 25 lbs. Engines turning over. Ship lying to in course S.E. by E. to S.E. by S.

Sam. C. Lemly
Ensign

4 to 8 A.M. Overcast and cold. Squally. Moderate to very strong gale from S.W. shifting during watch to S.S.W. Barometer rising rapidly. Sea rough, long heavy swell from S. Lying to heading S.E. by S. to S.E. by E. Fires in 6 boilers, engine turning over. At 5.30 burst feed pipe of the four after boilers and stopped engines and hauled fires under four boilers. Density sea water 26.

C. B. T. Moore
Ensign

8 to Merid. Cloudy. Squally. Ugly and disagreeable. Blowing a moderate gale at times from S.S.W. & S.W. by S. Barometer rising. Sea rough, setting to N. & E. At 10.15 set close reefed fore topsail and foresail. Steam in four boilers. Density sea water 25. Lying to first part of watch, filled away on course S.E x E 1/2 E at 10.15. Changed course at 12. m to S.E x E.

C. K. Curtis
Lieut

Merid. to 4 P.M. Cloudy. Cool. Very fresh wind from S.S.W. Rough sea. At 1.00 shook one reef out of topsails and foresail and took in storm mizzen and mizzen storm staysail and set main trysail and spanker. At 3 hauled down fore storm staysail and set fore topmast staysail. Ship under double reefed topsails, single reefed foresail, fore topmast staysail, main trysail and spanker. Fires banked in four boilers. Steam pressure 30 lbs. Distilling. Barometer steady during watch. Density sea water 28.

L. P. Jerrett
Master

4 to 6 P.M. Cloudy and cold. Fresh to very fresh wind from S.S.W. Fires banked under four boilers. Steam pressure 30 lbs. Distilling. At 5.30 took in spanker. Density 28. Rough sea. At 6 changed course to S.E. 1/2 E. Rolling from 30° to 25°.

Sam. C. Lemly
Ensign

6 to 8 P.M. Overcast and squally. Fresh to very fresh breeze from S.S.W. Sea rough, long heavy swells from S. & W. Ship rolling and pitching heavily at times. Barometer rising slowly. At 6.15 mustered at quarters. Density sea water 26.

C. B. T. Moore
Ensign

8 to Midnight. Cloudy. Squally. Moderate to stiff breeze, with occasional fresh puffs from S.W. Barometer rising. Sea rough, setting to N.E. Ship rolling and pitching considerable at times. Density sea water 26. Sea and wind moderating latter part of watch Fires banked in four boilers. Distilling.

C. K. Curtis
Lieut

Moon's phase 3rd qr Dec. N. 27 °.

Examined and found to be correct

Asa Walker
Lieut Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro, Brazil, to Cape Town South Africa.

Hour.	Knots.		Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Lee-way.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	3	2	SE 1/2 E	SW by S	3-6	3/4	30.02	57	51	50	54	oq	Cum Nimb	0	R	Ship under double reefed
2	2	7	"	"	3-6	3/4	30.02	56	51	50	54	"	"	0	"	topsails single reefed foresail
3	2	4	"	"	3-5	3/4	30.02	56	51	50	54	"	"	0	"	F.T.M. staysail and
4	2	5	"	"	3-6	3/4	30.02	56	51	50	54	"	"	0	"	main trysail
5	3	2	"	"	3-5	1/2	30.02	56	51	50	55	"	"	0	L	
6	2	2	"	"	3-4	1/2	30.05	56	51	50	55	o	"	0	"	Shook reef out foresail
7	1	0	"	"	3-4	1/2	30.10	60	51	50	55	"	"	0	"	Set jib and spanker
8	2	0	"	"	2-3		30.10	60	51	50	55	"	"	0	"	
9	1	0	"	"	2		30.14	62	50	49	56	"	"	0	"	All plainsail close
10	1	0	"	"	2		30.13	61	52	51	56	bc	"	1	"	reefed mainsail and
11	2	0	"	"	2		30.13	60	52	51	57	o	"	0	"	main topmast staysail
Noon.	2		"	"	2		30.13	60	53	53	57	"	"	0	"	

[Notes in left margin reads: At 4 AM "S 36° 15' E 10⁰⁰"; at 8 AM " S 36° 30' E 10° 23' "]

Distance run by Log since preceding Noon	74 knots	Tenths	
Latitude by D. R. at Noon	S 36 °	47	"
Longitude by D. R. at Noon	E 9 °	48	"
Latitude by Observations at Noon ⊕	S 36 °	30	"
Longitude by Chronometer from Forenoon Observations ⊕	E 10 °	29	"
Current during the time 1 knots	per hour, setting to the	N E by N	[Note in left margin reads "Sg. 1418"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		"	"
Variation of the Compass by Azimuth ⊕ observed at		"	"
Water expended during the preceding 24 hours		300 gallons.	
Water Condensed during the preceding 24 hours		700 "	
Water remaining on hand fit for use at noon		2040 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P.M.															Same	
1	2	5	SE 1/2 E	W	2-3	1/2	30.13	60	54	53	57	o	Cir Cum Nimb	0	L	
2	2	0	"	"	2-3	1/2	30.13	60	54	53	57	bc	"	1	"	
3	2	5	"	SW by S	2-3	1/2	30.14	60	54	53	57	"	"	1	"	
4	2	0	"	SW by W	2-3	1/2	30.14	60	54	53	57	"	"	1	"	
5	2	0	"	SW	2		30.14	59	53	53	57	"	"	1	"	
6	1	0	"	"	2		30.14	59	53	53	57	"	"	1	"	Single reefed topsails
7	1	6	"	"	1		30.14	59	53	53	57	"	"	1	"	furled royals stowed
8	1	0	"	"	1		30.14	59	53	52	57	"	"	1	"	F jib and main top
9	0	0	"	"	1		30.14	59	53	52	57	"	"	5	"	mast staysail
10	0	2	"	"	1		30.14	59	53	52	59	"	"	1	"	
11	0	2	"	"	1		30.14	59	53	52	59	"	"	1	"	Jib F.T.M.stays courses
Mid.	0	5	"	"	1		30.14	59	53	52	59	"	"	0	"	single reefed topsails & T. G. sails & spanker

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	*	°	'
Variation of the Compass by Amplitude		°	'
Variation of the Compass by	at	°	'

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday October 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Cool. Moderate to fresh breeze from S.W. by S. blowing in gusts. Cum. Nimb. clouds Obscured moonlight. Ship under single reefed foresail foretopmast staysail and main trysail. On course Fires banked in 4 boilers. Steam 30 lbs. Distilling. Density 27.

L. P. Jerrett
Master

From 4 to 8 A.M. Overcast. Cool. Gentle to stiff breeze blowing in puffs from SW by S. latter part to light breeze At 7 shook reefs out of topsails and foresail set jib and spanker also sent up T. G. yards. Fires banked in four boilers. Distilling. Long swell from S.E. Density 26.

Sam. C. Lemly
Ensign

From 8 to Merid. Overcast Cool Light breeze from SW by S. Bar[ometer] steady last three hours of watch. Long swell from S. Crossed royal yards and made all plain sail to royals and main top mast staysail took close reef in mainsail Ship on course, let fires die out in two boilers. Fires banked in two boilers. Distilling Density 27.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy. Cool. Light to gentle breeze from SW by S. to SW by W. Bar rising slowly. Long swell from S. and W. Fires banked in 2 boilers Distilling Density 27.

C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy. Cool. Light breeze from SW. Cir. Cum Nimb clouds. Long swell from S. and E. Ship under all plain sail and main top mast staysail. On course Fires banked in 2 boilers Av[erage] steam pressure 20 lbs. Distilling Density 27.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy. Cool. Pleasant. Light airs from SW. At 6.10 took reefs in topsails furled royals stowed flying jib and main topmast staysail. Fires banked in 2 boilers. Steam 20 lbs. Distilling. Density 27. Long swell from S. and W.

Sam. C. Lemly
Ensign

From 8 to Midnight. Cloudy and pleasant. Light airs from S.W. Long swell from S. and E. Bar steady ship on coarse Fires banked in two boilers. Distilling Density 27.

C. B. T. Moore
Ensign

Moon's phase 3rd qr Dec. N. 26 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making passage from Rio de Janeiro, Brazil, to Cape Town South Africa.

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	1	3	SE by E	SW by S	0-1		30.14	58	54	54	59	o	Cir Cum	0	L	Single reefed topsail T G
2	2		"	"	1-2		30.14	58	54	54	59	"	"	0	"	sail foremast and
3	2		"	"	1-2		30.14	58	54	54	59	"	"	0	"	main topmast staysail
4	2		"	"	1-2		30.14	58	54	53	59	"	"	0	"	
5	2	5	"	WNW	3		30.10	58	54	53	59	bc	"	1	"	Shook reef out topsails
6	3	5	"	"	3		30.10	57	53	52	59	"	"	2	"	set royals f jib MTM
7	3		"	"	3		30.14	57	53	52	59	"	"	6	"	staysail spanker and
8	3		"	"	3		30.14	57	53	52	59	"	"	6	"	gaff topsail
9	2		"	"	1-2		30.14	57	53	52	59	"	"	8	"	
10	2		"	"	1-2		30.14	57	54	52	59	"	"	8	"	Hauled down and stowed jib
11	2	5	"	"	1-2		30.14	59	56	55	60	"	"	8	"	F jib main top M stays
Noon.	3		"	"	2		30.14	59	56	55	60	"	"	8	"	Took in spankers topgallant Sails and furled mainsail

Distance run by Log since preceding Noon

114 knots

Tenths
5 fathoms.

Latitude by D. R. at Noon

S 36 °

°

38

'

"

Longitude by D. R. at Noon

E 11 °

°

23

'

"

Latitude by Observations at Noon ⊕

S 36 °

°

34

'

"

Longitude by Chronometer from Forenoon Observations ⊕

E 11 °

°

34

'

"

Current during the time 0 knots 4 tenths per hour, setting to the E.N.E

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

"

"

[Note in left margin reads "Sg. 1418"]

Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat S 36° 33' Long E 11° 22'

W 29 °

°

30

"

"

Water expended during the preceding 24 hours

230 gallons.

Water Condensed during the preceding 24 hours

890 "

Water remaining on hand fit for use at noon

2700 "

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P.M.

1	3	0	"	"	2		30.13	59	57	57	59	"	"	8	"	F T M staysail foresail
2	4	8	"	"	2		30.12	59	57	57	59	"	"	4	S	And topsails
3	8	0	E by S	"	2		30.08	60	57	57	59	"	"	6	"	
4	8	6	"	"	2		30.09	61	57	57	59	"	"	5	"	
5	9	2	"	WSW	3		30.10	61	57	56	59	"	"	5	"	Same
6	9	0	"	"	3		30.10	61	56	55	59	"	"	4	"	
7	9	5	"	SW	3-4		30.10	60	56	56	60	"	"	4	"	
8	9		"	"	3-4		30.10	60	56	55	60	"	"	4	"	
9	8	8	"	SSW	3		30.13	60	55	54	60	"	"	2	"	Took one reef in
10	8		"	"	2-3		30.13	60	55	54	60	"	"	1	"	topsails
11	8		"	"	3		30.13	60	55	54	60	o	"	0	"	
Mid.	8		"	"	3		30.13	60	55	54	60	"	"	0	"	

[Note in left margin at 8 PM reads " S 36° 19' E 12° 41' "]

Longitude by Chronometer from Afternoon Observations ⊕

°

'

"

Longitude by Chronometer Observations

*

Variation of the Compass by Amplitude

observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"

under the command of Commander W. Scott Schley, U. S. Navy.
Friday Octo 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

John P Chatham Jr. was born the above date of [unreadable]

Commences and until 4 A.M. Cloudy Cool Light to gentle breeze from SW by S. Bar[ometer] steady Sea smooth Ship under single reefed topsails and top gallant sails Density 27. At 2.30 took in mainsail and spanker. Fires banked in 4 boilers Distilling.

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy first part Clear latter part watch. Gentle breeze from WNW. Cir Cum Nimb clouds At 5.30 shook reefs out topsails and set royals f jib double reefed mainsail and main topmast staysail spanker and gaff topsail. Fires banked in two boilers pr. 30 lbs Distilling Density 27.

L. P. Jerrett
Master

From 8 to Merid. Cloudy and pleasant Light airs to light breeze from WNW. Cir Cum clouds. At 8 changed course to SE x E. At 8.10 hauled down and stowed jib F jib and main topmast staysail At 9.15 exercised at fire quarters & tried Babcock fire extinguisher and found to work. 9.30 furled and put cover on mainsail At 10.10 placed W. H. Hosner Lds in solitary confinement on brad and water for insolence and disrespectful conduct to the Comdr. at the mast. By order Comdr C. J. Owen OS for refusing to obey BM order liberty to be stopped at Cape Town A. T. Leigh for urinating in spit box on berth deck two hours extra duty Allan Christian for using unproper language to Corp. Guard 24 hrs extra duty two on and two off by order of Comdg Officer At 10 hoisted smoke stack and started fires in 4 additional boilers At 10.40 stopped distilling Density 27.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Light breeze from WNW. At 1.45 changed course to E by S and started ahead with steam in six boilers At 2.45 hauled up foresail and took in and furled T G sails and royals Sea smooth Density 27.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy Cool Gentle breeze from WSW. Bar steady sea smooth. At 4.30 set foresail Steam in 6 boilers Av[erage] pr[essure] [blank] Rev. [blank] Density 27.

C. K. Curtis
Lieut

From 6 to 8 P.M. Cloudy Pleasant. Gentle to moderate breeze from SW. Cir Cum Nimb clouds At 6.10 took mustered at quarters At 6.15 took single F topsails. Steam in six boilers Av pr 40 lbs Rev 55. Density 27.

L. P. Jerrett
Master

From 8 to Mid. Cloudy and pleasant. Light to gentle breeze from SSW. Steaming Rev 50. 49. 46. 46. Av pr 40 lbs. Density 25. Bar steady.

Sam. C. Lemly
Ensign

Moon's phase 3rd qr Dir. N. 23 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES Steamer "Essex", 3rd Rate, 6 Guns, Making a passage from Rio de Janeiro, Brazil, to Cape Town South Africa.

Hour.	Knots.		Courses steered.	WINDS.		Force.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Leeway.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M.																
1	8	5	E by S	SW by W		4	30.10	60	57	57	60	o	Cum Nimb	0	S	F.T. M staysail,
2	9	0	"	"		3-5	30.10	60	57	57	60	"	"	0	"	foresail single reefed
3	8	6	"	"		4	30.09	60	56	55	61	"	"	0	"	topsail
4	8	6	"	"		3-4	30.08	59	56	55	61	or	"	0	"	
5	8	5	"	W		3-4	30.08	56	56	56	61	od	"	0	"	
6	8	5	"	SW		4	30.12	59	57	56	61	o	"	0	"	Same
7	8	4	"	W		3-4	30.14	60	57	56	61	"	"	0	"	
8	8	5	"	WSW		3-4	30.15	60	58	57	61	"	"	0	"	
9	8	0	"	"		4	30.14	60	59	59	61	bc	"	1	"	
10	8	0	"	"		1	30.15	60	59	59	61	"	"	1	"	
11	8	0	"	"		0-1	30.15	61	61	61	61	"	"	2	"	Same
Noon.	6	2	"	"		1-2	30.15	61	61	60	61	op	"	0	"	

[Note in left margin reads "S 35° 4' E 15° "]

Distance run by Log since preceding Noon	194 knots	Tenths 1 fathoms.
Latitude by D. R. at Noon	S 35 ° 35	"
Longitude by D. R. at Noon	E 15 ° 22	"
Latitude by Observations at Noon ⊕	S 35 ° 34	30 "
Longitude by Chronometer from Forenoon Observations ⊕	E 15 ° 29	30 "
Current during the time knots tenths fms per hour, setting to the		" "
Variation of the Compass by Amplitude ⊕ observed at Sunrise		" "
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 35° 45' Long E 14° 50'	W 31 ° 15	" [Note in left margin reads "Sg. 1419"]
Water expended during the preceding 24 hours		230 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		2470 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.M.																
1	7	0	E by S	W		4	30.15	62	61	60	61	bc	Cir Cum	4	S	Furled topsail foresail stowed FTM staysail
2	8	0	E 1/4 S	"		0-1	30.15	62	61	60	60	"	"	6	"	
3	8	0	"	NNW		1-2	30.15	62	61	60	61	"	"	2	"	
4	8	0	"	"		1-2	30.10	62	61	60	61	"	"	2	"	
5	7	5	"	SSW		1-2	30.12	63	61	61	63	"	"	9	"	
6	8	5	"	"		1-2	30.10	64	61	60	63	"	"	4	"	
7	8	0	"	SW		2	30.12	64	61	59	63	"	"	5	"	
8	8	0	"	"		2	30.15	64	60	59	63	"	"	4	"	Foresail
9	0	0	E 1/4 S	"		1-2	30.15	63	60	59	63	"	"	4	"	
10	9	0	"	"		3	30.15	63	60	59	63	o	"	0	"	under
11	8	6	"	"		3	30.15	63	60	59	63	"	"	0	"	foresail
Mid.	8	5	"	"		4	30.15	63	60	59	63	"	"	0	"	

[Note in left margin at 8 PM reads " S 35° 4' E 16° 38' "]

[Note in left margin reads "Sg. 1385"]

Longitude by Chronometer from Afternoon Observations ⊕		°	"	"
Longitude by Chronometer Observations	*	°	"	"
Variation of the Compass by Amplitude	observed at Sunset	°	"	"
Variation of the Compass by	at	°	"	"

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday October 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and cool. Moderate to stiff breeze from S.W. by W. Barometer falling slowly. Sprinkling rain latter part of watch Steaming with six boilers. Av. pressure 35 lbs. Rev. 47. Density sea water 27.

C. B. T. Moore
Ensign

4 to 8 A.M. Cloudy. Cool. Drizzling rain first part of watch. Gentle to moderate breeze from W. & W.S.W. Barometer rising. Sea smooth. Steaming with six boilers. Av. pressure 20 lbs. Rev. 47. Density sea water 26.

C. K. Curtis
Lieut.

8 to Merid. Cloudy. Drizzling rain last hour. Moderate breeze from W.S.W. Cum. Nimb. clouds. Ship on the course under single reefed topsails, foresail and fore topmast staysail. Steaming under six boilers. Av. st. pressure 40 lbs. Revolutions 48. Density of sea water 26.

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy and pleasant. Light airs from W.S.W., latter part from W.N.W. Clouds cir. cir. cum. At 12.15 changed course to E 1/4 S. At 12.00 furled foresail, topsail with single reef, hauled down and stowed fore topmast staysail. At 2.00 the quarterly board of Survey convened. Condemned 57 lbs. pickles, and were thrown overboard by order of Comdg. Officer.

Sam. C. Lemly
Ensign

4 to 6 P.M. Cloudy and pleasant. Light breeze from S.S.W. Steaming with six boilers, on course E. 1/4 S. Av. steam pressure 45 lbs. Rev. 46. Density sea water 26 Bending chains.

C. B. T. Moore
Ensign

6 to 8 P.M. Cloudy. Pleasant. Wind light from S.W. Barometer rising. Sea smooth. At 7 set foresail. Got up and bent both bower chains. Steam in 6 boilers. Av. pressure 40 lbs. Rev. 47. Density sea water 27.

C. K. Curtis
Lieut.

8 to Midnight. Overcast. Pleasant. Gentle breeze from S.W. At 8.15 changed course to E 1/4 N. Steaming under six boilers. Av. st. pressure 45 lbs. Rev. 50. Density sea water 27.

L. P. Jerrett
Master

Moon's phase last qr Dir N. 20 °.

Examined and found to be correct

Asa Walker
Lieut Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.			Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M																
1	8	5	E 1/4 N	South	0-1		30.15	62	60	59	63	bc	Cir Cum	2	S	Foresail Furl'd foresail
2	8	6	"	ESE	0-1		30.15	62	60	59	63	"	"	2	"	
3	8	4	"	"	1		30.15	62	60	59	63	"	"	2	"	
4	8	0	"	NNE	1		30.15	62	60	59	63	"	"	2	"	
5	7	5	"	"	1		30.13	62	61	60	63	"	"	1	"	
6	7	6	"	"	1		30.13	62	61	60	63	"	"	0	"	
7			"	"	1		30.14	61	61	60	63	oc	"	0	"	
8	Steaming into Table Bay in charge of Comdr.			"	1		30.14	61	61	60	63	"	"	0	"	
9				ENE	2		30.14	61	61	60	63	"	"	0	"	
10			"	NW	2		30.14	61	62	61	63	"	"	0	"	
11			Standing into anchorage	"	2		30.15	62	63	61		bc	Cir Cum Nimb	2	"	
Noon			NW	"	2		30.11	63	64	62		"	"	2	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the knots fms. per hour, setting to the [Note in left margin reads "Sg. 1585"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 240 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2230 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M																
1			WNW	WNW	3		30.10	64	66	62		bc	Cir Cum Nimb	3	S	
2			"	"	3		30.10	64	66	62		"	"	4	"	
3			W	W	3-4		30.08	65	66	62		"	"	7	"	
4			"	"	3-4		30.08	65	66	63		"	"	7	"	
5			"	"	3-4		30.08	65	66	64		"	"	7	"	
6			"	"	3-4		30.08	65	64	62		"	"	8	"	
7			"	"	3		30.08	65	62	61		"	"	9	"	
8			SW	"	1-2		30.06	64	61	60		"	"	9	"	
9			S	"	0-1		30.06	64	61	60		"	"	9	"	
10			SSE	"	0-1		30.06	63	60	60		"	"	8	"	
11			SE	Calm	0		30.06	63	60	60		"	"	1	"	
Mid.			"	"	0		30.06	61	60	60		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday October 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant Light airs from S. to ESE. At 4.10 furled foresail At 2 moon rose At 3.40 sighted a revolving light two points on starboard bow. Visible only from Topsail yard. Steaming under six boilers Average pr[essure] 46 lbs Rev 47. 50. 49.49. Density 27.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and pleasant. Light airs from N.N.E. Steaming into Table bay with six boilers under charge of Comdg. Officer. Av. steam pr 45 lbs. Rev. 45 Density 26. At 4.10 made land ahead and on starboard bow.

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy Pleasant. Light breeze from ENE and N.W. Bar falling Sea smooth. At 9.30 called all hands bring ship to anchor. At 9.45 came to in 41.5 fms [fathoms] water and to 45 fms chain Breakwater N. 3/4 W. Ships head W. 3/4 S. Draught for'd 13 ft Amidships 14 ft 9 in Aft 14 ft 9 in. Banked fires in four boilers.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Cool. Pleasant. Gentle to moderate breeze from W. Cum Nimb clouds Ship riding to the wind Fires banked in 4 boilers Av pr 10 lbs

L. P. Jerrett
Master

From 4 to 8 P.M. Clear Cool Pleasant. Light to gentle breeze from W. Bar[ometer] rising slowly Sea smooth Sundown sent down light yards unbent light sail Fires banked in 4 boilers. Pressure 10 lbs.

C. K. Curtis
Lieut

From 8 to Midnight. Clear. Cool. Light airs from W. 1st part Calm last part of watch. Cir. Cum. Nimb clouds. At 10 swung around Fires banked in 4 boilers steam pressure 10 lbs.

L. P. Jerrett
Master

Moon's phase last qr Dec. N. 25 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A.M															
1			NE	Calm	0		30.00	62	60	60		bc	Cir Cum	4	S
2			"	"	0		30.00	62	60	60		"	"	1	"
3			E	"	0		29.98	62	60	59		"	"	1	"
4			NNE	"	0		29.96	62	60	59		"	"	1	"
5			N	N	0-1		29.96	62	60	59		"	"	2	"
6			NNW	NNW	1-2		29.98	62	60	59		"	"	2	"
7			"	"	1-2		29.98	62	60	59		o	"	0	"
8			"	"	1-2		29.99	62	60	59		"	"	0	"
9			"	"	1-2		29.97	62	62	59		bc	"	5	"
10			"	"	1-2		29.96	62	62	61		"	"	5	"
11			"	"	1-2		29.96	63	64	63		"	"	7	"
Noon			Underway	"	1-2		29.95	64	64	64		"	"	7	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 230 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2000 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P.M														
1			Secured To dock at Capt Town	W by S	2-3		29.95	64	67	66		bc	Cir Cum	8 S
2				"	2-3		29.93	64	67	66		"	"	8 "
3				"	3-4		29.93	64	67	66		"	"	8 "
4				"	4-5		29.94	64	67	66		"	"	8 "
5				"	4		29.90	64	67	65		"	"	6 "
6				"	4		29.90	64	64	63		"	"	3 "
7				"	4		29.90	64	62	60		"	"	4 "
8				"	4		29.90	64	62	60		"	"	5 "
9				"	2-3		29.92	64	61	60		"	"	4 "
10				"	2-3		29.92	64	60	60		"	"	4 "
11				"	2-3		29.92	64	60	60		"	"	4 "
Mid.				"	2-3		29.92	64	60	60		"	"	3 "

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday October 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Calm. Bar[ometer] falling Sea smooth. Fires banked in 4 boilers Av[erage] steam pressure 10 lbs.

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy and pleasant. Light breeze from N. and W. At 7.00 coasting steamer came in and moored in dock. Executed securing order Fires banked in 4 boilers Av. steam pressure 10 lbs

Sam. C. Lemly
Ensign

From 8 to Merid. Clear. Pleasant. Light breeze from N.N.W. Rigged in jib and flying jib ~~jib~~ booms. At 11 got underway and stood into the dock At 12 made fast to dock Steam in 4 boilers.

L. P. Jerrett

From Merid. to 4 P.M. Clear and pleasant Light to stiff breeze from W by S. Crew engaged in further securing ship to dock. At 12.15 hauled fires Lowered smoke stack Took cover off mainsail At 3 sent down T. G. masts in order to overhaul T.G. and royal rigging.

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy. Pleasant. Moderate breeze from W. Cir Cum Nimb clouds. Overhauling T.G. and royal rigging

L. P. Jerrett
Master

From 8 to Mid. Clear and pleasant Light to gentle breeze from W by S. Cir. Cum clouds

Sam. C. Lemly
Ensign

Moon's phase last qr Dec. N.9 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A.M													
1			NNW	4		29.90	64	60	60	bc	Cir Cum	0	S
2			"	4-5		29.90	64	60	60	o	"	0	"
3			"	4-5		29.89	64	60	60	op	"	0	"
4			"	4-5		29.88	64	60	60	o	"	0	"
5		Tied	"	4		29.88	64	66	60	op	"	0	"
6			"	4		29.90	64	59	58	"	"	0	"
7			"	4		29.89	64	59	58	bc	"	2	"
8		up	"	4		29.89	61	59	58	o	"	0	"
9			"	4		29.88	61	60	58	"	"	0	"
10			"	4		29.88	61	60	58	"	"	0	"
11			"	4-6		29.88	61	60	58	"	"	0	"
Noon			"	4-6		29.88	61	60	58	"	"	0	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time knots fms. per hour, setting to the	o	" "
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		320 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1680 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P.,M													
1			NNW	2		29.89	62	60	59	o	"	0	S
2			"	2		29.90	62	61	61	"	"	0	"
3			W	4		29.90	62	62	61	bc	"	6	"
4		Tied	NW	4		29.91	62	63	61	"	"	8	"
5			"	4		29.93	62	62	60	"	"	6	"
6			"	4		29.94	62	60	60	"	"	6	"
7			"	3-4		29.94	61	60	60	"	"	6	"
8		up	"	3-4		29.94	61	60	60	orpo	"	0	"
9			NNW	1		29.94	61	60	60	bc	"	9	"
10			"	"	1	29.96	61	60	60	"	"	2	"
11			"	"	2	29.96	61	60	60	"	"	1	"
Mid.			"	"	2	29.96	61	60	59	op	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday October 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast passing showers latter part of watch. Moderate to stiff breeze from NNW. Cum Nimb clouds.

L. P. Jerrett
Ensign

From 4 to 8 A.M. Cloudy and pleasant Moderate breeze from N by W to NNE. Light passing showers of rain first two hours of watch Received fresh provisions for crew.

C. B. T. Moore
Ensign

From 8 to Merid. Overcast and pleasant. Moderate breeze from N. Latter part squally and rainy. Moderate to fresh breeze from NNW. Crew engaged in hauling and refitting T G and royal rigging and painting ship outside. Barometer steady.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Overcast first part of watch. Clear latter part Light to moderate breeze from WNW to NW. At work refitting T.G. rigging and reserving shear [sheer] [unreadable] on lower rigging

C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Latter part squally Gentle to moderate breeze from S.W.

Sam. C. Lemly
Ensign

From 8 to Mid. Cloudy and cool Light airs to light breeze from NNW. Barometer steady last three hours of watch. Light sprinkling of rain last hour of watch

Ensign
C. B. T. Moore

Moons phase last qr Dec. N. 2°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1				NNE	4-6		29.94	61	59	59		oqp	Cir Cum Nimb	0	S
2				"	4-6		29.92	60	59	59		"	"	0	"
3				"	4-6		29.90	60	58	58		"	"	0	"
4				"	4-6		29.88	60	58	58		"	"	0	"
5				North	4-6		29.90	60	58	58		"	"	0	"
6				"	4-6		29.90	60	58	58		"	"	0	"
7				"	4-6		29.90	60	58	57		bcq	"	2	"
8				"	4-5		29.91	59	58	58		bcpq	"	2	"
9				"	4		29.89	60	60	60		bc	"	2	"
10				"	5		29.88	60	62	60		"	"	4	"
11				S by W	5		29.86	61	63	61		"	"	1	"
Noon				"	5-6		29.85	61	63	62		"	"	1	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		300 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1380 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1				N by W	5-6		29.82	61	61	60		bcq	Cir Cum Nimb	1	S
2				"	5-6		29.80	61	61	60		"	"	1	"
3				"	5-6		29.78	61	61	59		"	"	1	"
4				"	5-6		29.78	61	60	59		"	"	1	"
5				N	5-6		29.78	61	60	59		"	"	0	"
6				"	5-6		29.78	61	60	59		"	"	0	"
7				N by W	5-6		29.76	61	60	59		"	"	0	"
8				"	5-6		29.76	61	60	59		"	"	0	"
9				"	5-6		29.76	61	60	59		"	"	0	"
10				"	5-7		29.75	61	60	59		"	"	0	"
11				"	5-7		29.75	61	60	59		"	"	0	"
Mid.				"	5-7		29.75	61	60	59		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕	0	"	"
Longitude by Chronometer Observations	0	"	"
Variation of the Compass by Amplitude observed at Sunset	0	"	"
Variation of the Compass by at	0	"	"

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday October 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Disagreeable Moderate to fresh breeze from N.N.E.
Blowing fresh in squalls. Passing showers.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Overcast Disagreeable Moderate to fresh breeze from N. Passing rain last
hour English steamer Cuzco came in anch[ored] Sent Officer to English bark Alm Bravel with
offer of assistance.

L. P. Jerrett
Master

From 8 to Merid. Cloudy and pleasant Moderate to fresh breeze from N and N by W.
Bar[ometer] falling slowly. Enlisted D. T. Bucklen as Lds ~~for one year~~ cruise of "Essex" general
services Received in Equipt. Dept. 1 coil 18 thread ratline stuff and 3 cartloads of wood. At work
rattling down rigging.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy Disagreeable Passing rain last hour. Squally. Wind fresh in puffs
from N. by W. Barometer falling Crew at work in rigging English steamer Danube went to sea.

W. G. Hannum
Midshipman

From 4 to 8 P.M. Overcast and pleasant. Stiff to fresh breeze from N. and N. by W. Barometer
falling slowly steady last two hours. Ugly threatening weather latter part of watch

C.B.T. Moore
Ensign

From 8 to Mid. Cloudy Ugly. Disagreeable. Strong breeze with very fresh in puffs from N. by W.
Bar. steady last part of watch Passing rain.

W. G. Hannum
Midshipman

Moon's phase last qr Dec. S. 4°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1				N by W	6-7		29.83	60	60	59		opq	Cir Cum	0	S
2				"	6-7		29.85	60	60	59		oqn	"	0	"
3				"	6		29.86	60	60	59		oqp	"	0	"
4				"	5-6		29.88	60	60	59		bc	"	8	"
5				"	6		29.85	60	59	59		"	"	2	"
6				NNW	6		29.86	60	58	58		op	"	0	"
7				"	6		29.85	60	59	58		bc	"	4	"
8				"	6		29.88	60	59	58		"	"	6	"
9				"	3-4		29.90	60	59	57		bcp	"	3	"
10				"	3-4		29.90	60	59	60		bc	"	3	"
11				"	3-4		29.92	61	60	60		"	"	3	"
Noon				"	3-4		29.93	61	60	60		"	"	2	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i "
Longitude by D. R. at Noon	o	i "
Latitude by Observations at Noon ⊕	o	i "
Longitude by Chronometer from Forenoon Observations ⊕	o	i "
Current during the time knots fms. per hour, setting to the	o	" "
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		280 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1900 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M														
1				"	6		29.95	62	62	60		bc	"	3 S
2				"	6		29.95	62	62	60		"	"	4
3				"	6		29.96	62	62	60		"	"	2
4				"	6		29.97	62	62	61		"	"	2
5				"	4-5		29.95	62	61	59		"	"	2
6				"	4-5		29.95	62	61	59		"	"	2
7				"	4-5		29.98	62	61	60		"	"	2
8				"	4-5		30.00	62	60	60		"	"	2
9				"	5-6		30.01	62	60	59		o	"	0
10				"	5-6		30.01	62	61	59		"	"	0
11				"	5-6		30.01	61	60	59		bc	"	1
Mid.				"	5-6		30.01	61	60	59		"	"	1

Longitude by Chronometer from Afternoon Observations ⊕	o	i "
Longitude by Chronometer Observations	o	i "
Variation of the Compass by Amplitude observed at Sunset	o	i "
Variation of the Compass by at	o	i "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday Octo 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool Clear last hour of watch. Stiff to very fresh breeze from W. by S. Squally Bar[ometer] rising slowly. Passing shower of rain first 3 hours of watch.

T. D. Griffin
Midshipman

From 4 to 8 A.M. Cloudy Cool. Fresh N.N.W. breeze Cum Nimb clouds Passing showers Rec'd fresh provisions for crew.

L. P. Jerrett
Master

From 8 to Merid. Overcast. Cool Wind moderate from NNW. Barometer rising At 9.30 mustered crew Following men absent without leave Wm. Barker and D. W. Shelly Lds. Wallen Blake (Mach) M F O' Donnell PM. Finished work on rigging Lt. C.K. Curtis suspended from duty for being absent without leave by order of Comdr.

W. G. Hannum
Mid

From Merid. to 4 P.M. Cloudy Cool Fresh breeze from NNW Cum Nimb clouds Painting ship outside. Rec'd in Medical Dept 24 pts whiskey 12 pts brandy 10 lbs sugar 4 lbs con milk 1/2 ream TC paper 1/2 ream letter paper. 1 box pins 6 pin [unreadable] High water at 1

L. P. Jerrett
Master

From 4 to 8 P.M. Cloudy Cool Moderate breeze from NNW. Bar rising Passing rain last hour of watch English steamer "Tay[unreadable]bath Castle" went to sea

W. G. Hannum
Midn

From 8 to Mid. Cloudy Cool Fresh breeze from NNW. Breeze Cum Nimb clouds Light sprinkling rain

L. P. Jerrett
Master

Moons phase last qr Dec. S. 11°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.				
A,M														
1			N	N	3-4		29.98	63	60	60	bc	Cir Cum	2	S
2			"	"	3-4		29.96	63	60	60	"	"	2	"
3			"	"	3-4		29.95	63	60	60	"	"	2	"
4			"	"	3-4		29.95	63	60	60	"	"	2	"
5			NNW	NNW	3-4		29.95	61	58	58	"	"	2	"
6			"	"	3-4		29.95	61	58	58	oz	"	0	"
7			"	"	2-3		29.97	61	60	58	"	"	0	"
8			"	"	2-3		29.97	61	60	58	"	"	0	"
9			"	"	4-5		29.98	62	61	60	bc	"	5	"
10			"	"	4-5		29.98	62	62	62	"	"	7	"
11			"	"	5-6		29.98	62	62	62	"	"	3	"
Noon			"	"	6		29.98	63	62	62	"	"	3	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time knots fms. per hour, setting to the	0	"
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		gallons
Water during the preceding 24 hours		1900 "
Water remaining on hand fit for use at noon		2900 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M										
1	NW x N	6	29.96	63	63	62	oc	"	0	S
2	"	6	29.96	63	63	62	"	"	0	
3	"	6	29.96	63	62	61	"	"	0	
4	"	6	29.96	63	62	61	"	"	0	
5	"	6	29.96	63	62	61	bc	"	1	
6	"	6	29.96	63	61	60	"	"	2	
7	"	6	29.97	64	61	60	"	"	1	
8	"	6	29.98	63	61	60	"	"	2	
9	NNW	5	30.00	63	61	60	oc	"	0	
10	N	5	30.00	63	61	60	"	"	0	
11	N by E	6	30.00	63	61	60	"	"	0	
Mid.	"	6	30.00	63	60	60	"	"	0	

Longitude by Chronometer from Afternoon Observations ⊕	0	"
Longitude by Chronometer Observations	0	"
Variation of the Compass by Amplitude observed at Sunset	0	"
Variation of the Compass by at	0	"

under the command of Commander W. Scott Schley, U. S. Navy.
Friday Octo 25, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast Cool Moderate breeze from N. Bar[ometer] falling High water at 12.30.

W. G. Hannum
Midm

From 4 to 8 A.M. Overcast and hazy. Moderate to light breeze from NNW. At 7.30 Pacific mail steamer got underway stood out to sea. Mustered crew and found W. C. Blake Mach absent over time. Wm. Barker and Daniel Shelly (Lds) were confined without irons to await action of Comdr. Officer absent without.

Sam. C. Lemly
Ensign

From 8 to Merid. Cloudy. Cool fresh breeze from NNW. Cum Nimb clouds Served out monthly [unreadable] Sent liberty party on shore. Flood tide. Daniel Shelly Lds and Wm Barker Lds were placed in single irons for leaving ship without permission Received on board 1900 gals fresh water.

L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy Cool Moderate to fresh wind from N.W. by W. Cir Cum clouds. Bar steady

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy Cool Fresh NW by N breeze Cum Nimb clouds. Philip Hagan OS placed in double irons for being drunk and disorderly. Low water at 6.45 English mail steamer came in from England.

L. P. Jerrett
Master

From 8 to Midnight. Overcast and cloudy with fresh wind from NNW. North and N by E. Bar steady At 8.15 Ord Seargt Boyd (M.C.) reported absence of Wm Barker Lds prisoner in single irons At 9 called all hands and mustered crew. Following men absent without leave. C. J. Owens John Bulleue John Stall Scott Kraken OS and Geo L. Adams (PM) By order of Comdg Officer J. V. Warron AS 2c was confined in double irons for safe keeping he being drunk & disorderly. English mail steamer went to sea.

Sam. C. Lemly
Ensign

Moon's phase 1st qr Dec. S. 17 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M													
1			NNE	8		29.99	63	60	60		O Cum Nimb	0	L
2			"	6-7		29.98	63	60	60	"	"	0	"
3			"	7		29.97	63	59	60	"	"	0	"
4			"	6-7		29.96	63	59	60	"	"	0	"
5			"	5-6		29.98	62	59	60	"	"	0	"
6			"	4-5		29.99	62	59	60	"	"	0	"
7			"	3-4		30.02	62	59	60	"	"	0	"
8			"	3		30.02	63	59	60	"	"	0	"
9			"	2		30.00	63	61	61	"	"	0	"
10			"	2		30.00	63	63	63	"	"	0	"
11			N	3		30.01	63	64	64	"	"	1	"
Noon			"	3		30.01	63	64	64	"	"	1	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	O	"
Longitude by D. R. at Noon	O	"
Latitude by Observations at Noon ⊕	O	"
Longitude by Chronometer from Forenoon Observations ⊕	O	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	O	"
Variation of the Compass by Azimuth ⊕ observed at	O	"
Water expended during the preceding 24 hours		250 gallons
Water during the preceding 24 hours		2650 "
Water remaining on hand fit for use at noon		"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M													
1			NNW	4		30.00	63	64	64	O	"	0	L
2			"	4-5		30.00	63	63	63	"	"	0	"
3			SW	4		30.00	63	63	63	"	"	2	"
4			"	3		30.00	63	63	63	"	"	6	"
5			SW by W	3		30.01	63	64	64	"	"	7	"
6			WSW	2		30.02	63	63	63	"	"	5	"
7			"	2		30.02	62	63	63	"	"	7	"
8			"	2		30.00	62	62	62	"	"	8	"
9			N by W	2		29.99	62	62	62	"	"	8	"
10			"	1		29.99	62	62	62	"	"	8	"
11			"	1		29.99	63	62	62	"	"	8	"
Mid.			NNE	2		29.98	63	62	62	"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊕	O	"	"
Longitude by Chronometer Observations	O	"	"
Variation of the Compass by Amplitude	O	"	"
Variation of the Compass by	O	"	"

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday Oct 26, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, Drizzling rain last hour Cum Nim clouds. Very fresh breeze from N.N.E. blowing in squalls. High water at 2.30. Wm Barker Lds returned on board and was confined in single irons.

L. P. Jerrett

4 to 8 A.M. Stiff breeze from NNE moderating to gentle breeze latter part of watch. At 6 English steamer Warwick Castle came into the dock. Low water at 3.10

C. B. T. Moore
Ensign

8 to Merid. Cloudy but pleasant. Moderate to gentle breeze from NNE and N. Flood tide At 9.15 muster at quarters George L Adams (Pvt Mar.) W. C. Blake, Mach John Hall OS 2 class C. J. Owens OS, George H. Kahn (OS. 2 class) and John Beline (OS) absent without leave. Sent a reward of \$10 each for the apprehension and delivery on board. D.J. Dawney (BM) was released from confinement and restored to duty by order of the Comdg Officer. At noon W.C. Blake had returned on board. An English Comadore [Commodore] made official call on Comdg Officer in behalf of Comadore Sullivan commanding English land forces on S. Africa

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze from N.N.W. to S. Bar[ometer] steady. Sent liberty party on shore.

C. B. T. Moore
Ensign

4 to 8 P.M. Clear and pleasant to light breeze from N.W. by W. and W.N.W. Ebb tide. By order of the Comdg Officer T. G. Roberts OS was confined in double irons to wate tryal [wait trial] by Court Martial for smuggling liquor.

L. P. Jerrett
Master

8 PM to Mid. Clear and cool, light ~~clouds~~ breeze from N. by W. to N.N.E. W. H. Danforth OS 2.c. ~~was absent~~ absented himself from the ship without leave. Low water at 8 A.M. O.J. Owens OS, G H Kahn and John Hall Osc class returned to the ship.

C. B. T. Moore
Ensign

Moon's phase 1st qr. S. 22 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Capetown South Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M																
1			N by W	NNE	2-3		29.96	62	61	61		bc	Cir Cum Nimb	4	S	
2			"	"	2-3		29.94	63	61	61		"	"	6	"	
3			"	ENE	2		29.94	62	61	61		"	"	6	"	
4			"	"	2		29.93	62	61	61		"	"	5	"	
5			"	"	2		29.92	62	60	60		"	"	3	"	
6			"	"	2		29.90	64	60	60		"	"	3	"	
7			"	"	2		29.92	64	60	60		"	"	2	"	
8			"	N	2		29.92	64	61	61		"	"	1	"	
9			"	N by E	2		29.92	64	62	62		o	"	0	"	
10			"	"	2		29.91	64	63	63		"	"	0	"	
11			"	"	3		29.90	64	63	63		"	"	0	"	
Noon			"	N by W	4		29.89	65	65	61		"	"	0	"	

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	°	'	"
Longitude by Chronometer from Forenoon Observations ⊕	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours			250 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon			2400 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"	"	

P,M	N by W	N	2-3	29.87	65	64	3	or	Cir Cum Nimb	0	S
1	"	"	2-3	29.85	65	64	63	o	"	0	"
2	"	"	2-3	29.83	65	66	64	bc	"	1	"
3	"	"	2-3	29.81	65	66	64	"	"	1	"
4	"	N by W	2	29.81	65	65	64	or	Cum Nimb	0	"
5	"	"	2	29.82	65	64	63	"	"	"	"
6	"	N by E	3	29.82	65	63	62	"	"	"	"
7	"	"	4	29.83	65	61	61	o	"	"	"
8	"	"	3-4	29.83	65	61	61	bc	"	1	"
9	"	NNW	4-5	29.83	65	61	61	or	"	0	"
10	"	"	4-5	29.84	65	61	61	"	"	"	"
11	"	"	4-5	29.84	65	61	61	"	"	"	"
Mid.	"	"	4-5	29.84	65	61	61	"	"	"	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations	0	1	11
Variation of the Compass by Amplitude	0	1	11
observed at Sunset			
Variation of the Compass by	0	1	11
at			

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday October 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Gentle to light breeze from N.N.E. Flood tide
High water at 3.30.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Pleasant. Wind light from E.N.E. and N. Barometer slowly falling. Ebb
tide

C S Bruns
Midshipman

From 8 to Merid. Overcast and pleasant. Light to moderate breeze from N by E to N. by W. At
9.15 mustered at quarters. The following men found absent from overstaying leave Michael
Gerry (2CF) J. W. Magee (2CF) H Simpson (1CF) without leave Philip Kincade (Lds) Wm
Hardie (O.S.) and W. H. Danforth (OS) By order of Comd'g Officer T. G. Roberts (OS) Wm
Barker (Lds) and David Shelly (Lds) were released from confinement and returned to duty Flood
tide

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Weather cloudy. Passing rain first hour of watch Barometer falling. Sent a
party of men ashore on liberty. Slack water at 2.10. Michael Maugen (O.S.) left the ship without
permission

C S Bruns
Midshipman

4 to 8 P.M. Overcast and rainy. Light to moderate breeze from N. by W. to N. by E. At 4.30
English steamer "Asiatic" came into the dock. Geo. Arlans (P.M.) returned on board. Ebb tide.
W. H. Danforth (OS) and Michael Gerry (2CF) returned to the ship.

C. B. T. Moore
Ensign

4 P.M. to Mid. Cloudy. Cool. Passing rain. Barometer steady Low water at 9.15.

C S Bruns
Midshipman

Moon's phase 1st qr Dec. S. 25°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M													
1			NNW	5-6		29.83	64	60	58		bc	Cum Nimb	7 S
2			NW by W	5-6		29.82	64	58	58		"	"	2 "
3			WNW	5-7		29.82	64	58	58		"	"	7 "
4			W	5-7		29.80	63	57	57		"	"	8 "
5			"	5-7		29.88	62	57	58		bcq	"	7 "
6			"	5-7		29.88	62	59	58		opq	"	0 "
7			"	5-7		29.91	61	59	58		bcq	"	2 "
8			"	5-7		29.93	61	59	58		"	"	4 "
9			"	4-6		29.98	62	60	59		"	"	4 "
10			"	4-6		29.99	62	60	60		bcpq	"	2 "
11			"	4-6		30.00	63	61	60		"	"	2 "
Noon			"	4-6		30.01	64	62	61		"	"	2 "

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2150 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M													
1			W	4-7		30.04	63	62	62		bcpq	Cum Nimb	3 S
2			"	4-7		30.06	64	61	61		"	"	7 "
3			"	4-6		30.09	65	62	62		"	"	7 "
4			"	4-6		30.12	65	62	62		"	"	7 "
5			"	4-5		30.14	65	61	60		bc	"	7 "
6			NW by W	4-6		30.16	65	61	60		"	"	7 "
7			WNW	3-5		30.18	65	61	60		"	"	5 "
8			"	3-5		30.21	64	60	59		"	"	5 "
9			"	3-5		30.23	62	60	59		"	"	6 "
10			"	1-2		30.25	62	60	59		"	"	8 "
11			"	1-2		30.26	62	59	58		"	"	8 "
Mid.			"	1-2		30.26	62	59	58		"	"	9 "

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday Octo 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Stiff to very fresh breeze from NNW to West
Bar[ometer] falling latter part of watch. Flood tide

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy Passing showers during watch. Cum Nimb clouds Wind very fresh in
squalls from W. Received on board 145 lbs beef for crew. Bar rising. Ebb tide

L. P. Jerrett
Master

From 8 AM to Merid. Cloudy. Cool. Frequent rain squalls during watch. Moderate to fresh
breeze from W. Bar rising. At 9.15 mustered at quarters. Following men absent after their liberty
had expired. James Shields (S Cook) Edward Moran Henry Simpson 1CF J.W. Magee 2CF Geo
R Wilson (Mach) James Brady (Mach) Jas. L. Strange (CS.) James Stephens (W.R. cook) Thos
Foley (Lds ET) The following absented themselves without permission Phil Kincade (Lds) Mich.
Maugan (OS2c) F. L. Handley (OS) Wm Barker James O' Donnell 1CF Confined Wm. Hadia OS
in double irons to await action of Comdr for attempting to leave the ship without permission
Carpenters gang engaged in repairing truss band on fore yard

C S Bruns
Midn

From Merid. to 4 P.M. Clear. Passing showers first part. Moderate to fresh breeze blowing to
squalls Cum Nimb clouds John O'Neil C.pT. placed in single irons on bread and water until
further orders. Michl. Maugen O.S. returned on board. James O' Donnell CF was brought on
board by police High water at 2.30

L. P. Jerrett
Master

4 to 8 P.M. Cloudy. Squally. Wind moderate to fresh from W. Bar[ometer] rising Sent
descriptive list on shore with rewards for men absent without leave

C S Bruns
Midn

8 PM to Mid. Clear Cool Light breeze from W. Cum Nimb clouds Low water at 10.30 B. O. Lou
(M A A) suspended from duty and confined to berth deck to await action of Cmdr for leaving
ship without permission

L. P. Jerrett
Master

Moons phase 1st qr Dec. S. 27°.

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M													
1			W	2		30.26	60	56	57	bc	Cir Cum Nimb	7	S
2			"	1-2		30.25	60	58	57	"	"	7	"
3			"	1-2		30.25	60	58	57	"	"	7	"
4			"	1-2		30.24	60	58	57	"	"	7	"
5			ENE	0-1		30.25	60	57	57	"	Cum	9	"
6			"	1		30.25	60	57	57	bcz	Cir Cum	9	"
7			Calm	0		30.26	60	57	58	"	"	9	"
8			E	0-1		30.27	60	57	58	"	"	9	"
9			WNW	1		30.25	60	59	59	bc	"	9	"
10			NW	3		30.25	61	59	59	"	"	9	"
11			"	3		30.24	60	60	59	"	"	9	"
Noon			"	3		30.24	60	62	60	"	"	9	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M													
1			WNW	3		30.24	60	62	60	bcz	"	9	S
2			"	3-5		30.24	60	63	63	"	Cum	9	"
3			W by N	3-5		30.24	64	64	62	"	"	9	"
4			"	3-4		30.24	63	64	61	"	"	9	"
5			W by S	3-4		30.24	63	65	64	"	"	9	"
6			"	3-4		30.24	63	62	62	"	Cir Cum	8	"
7			"	2-3		30.24	63	61	60	"	"	8	"
8			"	1-2		30.24	63	60	60	"	"	9	"
9			W	2		30.25	63	60	59	"	"	8	"
10			"	1		30.26	63	59	59	"	Cir Cum Nimb	7	"
11			Calm	0		30.26	63	59	59	"	"	8	"
Mid.			SSW	1		30.26	63	59	59	"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday Octo 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear Cool Light airs to light breeze from W Bar[ometer] falling slowly. High water at 3.45.

C S Bruns
Midn

From 4 to 8 A.M. Clear Hazy and pleasant. Calms and light airs from E. Ebb tide At 8 loosed sail Receiving fresh provisions for crew. Edward Moran (OS) returned on board.

Sam. C. Lemly
Ensign

From 8 to Merid. Clear Pleasant Gentle NW breeze Cir Cum clouds. At 9.15 inspected at quarters Received in Pay Dept 10 bbls flour B. O. Lou (M A A) released and placed on duty At 11.30 furled sail

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant. Gentle to moderate breeze from WNW. Received in Equip Dept 20 corn brooms Edward Moran OS and James Stephans WR cook returned from liberty.

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Clear and pleasant Moderate breeze from W. dying out towards end of watch. Cir Cum clouds Royal mail steamer Asiatic left for England. High water at 5.30 J. W. Magee 2cT returned on board

L. P. Jerrett
Master

From 8 to Mid. ~~Calm and light~~ Clear and pleasant. Calm and light airs from W. to S.S.W. By order of Comdg Officer Philip Hazard OS a prisoner was confined in fore passage for smoking on berth deck. Jas Lestrangle (CS) returned from liberty

Sam. C. Lemly
Ensign

Moons phase 1st qr Dec. S.27 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Capt Town South Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1				ENE	0-1		30.25	63	59	58		bc	Cir Cum	9	S
2				"	0-1		30.23	63	58	58		"	"	9	"
3				Calm	0		30.20	63	58	58		"	"	9	"
4				"	0		30.20	62	58	58		"	"	9	"
5				NW	0-1		30.18	62	58	58		"	"	6	"
6				"	0-1		30.18	62	59	58		"	"	3	"
7				NNW	1		30.18	62	60	59		"	"	5	"
8				NNW	1		30.18	62	62	61		"	"	7	"
9				"	1		30.18	62	63	62		"	"	8	"
10				"	1		30.19	63	65	65		"	"	8	"
11				"	1		30.19	64	67	67		"	"	7	"
Noon				N	1		30.18	65	69	67		"	"	6	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1658 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M															
1				N	0-1		30.18	67	69	68		bc	"	4	S
2				"	0-1		30.18	67	71	69		"	"	5	"
3				N by E	0-1		30.15	68	73	70		"	"	7	"
4				"	0-1		30.13	68	73	70		"	"	5	"
5				"	1		30.12	68	73	70		"	"	4	"
6				"	1		30.12	68	70	68		"	"	5	"
7				NNW	0-1		30.10	68	67	67		"	"	6	"
8				"	0-1		30.10	68	66	65		"	"	9	"
9				"	1		30.10	68	66	64		"	"	9	"
10				S by E	2		30.10	68	66	64		"	"	9	"
11				"	0-1		30.10	68	66	64		"	"	9	"
Mid.				NNW	2		30.10	68	66	64		"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday Octo 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear Cool Light airs from E. first part Calm remainder of watch.
Cir Cum clouds Bright moonlight James Brady Mach returned on board

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy and pleasant Light airs from NW to N by W. Flood tide. ~~Wm Barker Lds~~
~~returned on board.~~

C. B. T. Moore
Ensign

From 8 to Merid. Clear and warm Light airs from NNW and N. Ebb tide. At 9.30 inspected at
quarters. Received in Equip. Dept. 20 corn brushes and handles and 1 coil 3 inch hemp.
Received in Pay Dept 3 bbls sugar 4 1/2 bbls coffee 6 boxes canned beef 2 bbls rice 13 boxes
pickles Midshipman W. G. Hannum Hadrea McDonald (Lds) John Babe (2rG2) overstaying
leave. W. H. Danforth and Herman Meyer (OS) absenting themselves without permission John
Babe (2rG2) returned on board at 12 M.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and warm. Light airs from N. and N by E. At 12.15 ~~returned on~~
~~board~~ Andra McDonald (Lds) returned on board Received in Pay Dept. 18 bbls pork 8 bbls beef
6 packages bread beef 10 boxes pickles 9 bbls beans 1 box butter 4 bbls sugar 38 bags bread
By order of Comdr Midn W. G. Hannum was placed under suspension for being absent from the
ship at quarters

C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant Light airs from N by E and NNW. Flood tide

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant. Light breeze from NNW first and last hours of watch and
S by E middle part Bar[ometer] falling. Low water at 11. Wm Barker Lds returned on board.

C. B. T. Moore
Ensign

Moons phase 1st qr Dec. S. 25°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A,M															
1			N by W	Calm	0		30.05	64	64	63		bc	Cir Cum	9	S
2			"	"	0		30.03	63	63	63		"	"	9	"
3			"	SW	0		30.03	63	63	62		"	"	9	"
4			"	NW	0-1		30.03	63	63	62		"	"	9	"
5			"	N	0-1		30.03	63	62	62		"	"	9	"
6			"	"	0-1		30.03	62	62	62		"	"	9	"
7			"	"	0-1		30.02	63	64	64		"	"	9	"
8			"	"	0-1		30.03	64	65	64		"	"	9	"
9			"	NNW	0-1		30.04	64	67	65		"	"	9	"
10			"	"	0-1		30.04	66	69	67		"	"	9	"
11			"	Calm	0		30.04	67	70	69		"	"	9	"
Noon			"	"	0		30.04	67	73	70		"	"	9	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1400 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M															
1				Calm	0		30.05	69	76	74		bc	"	9	
2				NW	0-1		30.04	70	77	76		"	None	10	
3				"	0-1		30.04	70	77	76		"		10	
4				"	0-1		30.00	71	78	76		"		10	
5				NNE	1		30.00	72	79	76		"		10	
6				S	3		29.98	72	75	73		"		10	
7				SSE	5		29.98	73	75	73		"		10	
8				NNE	1		29.98	73	73	71		"		10	
9				SW by S	3-7		29.98	73	73	71		"		10	
10				"	5-7		29.98	73	73	71		"		10	
11				"	5-7		29.98	73	73	71		"		10	
Mid.				"	5-7		29.98	73	73	71		"		10	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday Octo 31st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear Cool Pleasant Calm first two hours Light airs from SW and NW last two. Flood tide.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear Warm Light airs from N. Cir Cum clouds. Made preparations for coaling ship and at 6.50 commenced High water at 5.30 Received on board fresh provisions for coal

C S Bruns
Midn

From 8 to Merid. Clear and warm Light breeze to light airs from NNW first two hours of watch Calm last two. At 9.15 mustered at quarters. The following men absent without leave J W Powers (C of T) Fred Wolfings OS At 10.13 H.M.S. Danae came in Sent an officer to H.M.S. Danae with compliments of Comdr and the visit was returned Coaling ship J.W. Powers (CT) and F. Wolfinger OS returned on board

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear Warm Light NW[ester]ly airs Blowing strong from S. outside An Officer from H.M.S. Danae visited ship officially. Coaling ship Received in Nav Dept 6 globe lanterns.

C S Bruns
Midn

4 to 8 P.M. Clear and warm Light airs first and last part of watch from NNE Middle part gentle to stiff breeze from S and S.S.E. Bar steady. Finished coaling ship Received in Eng. Dept 17900 lbs bituminous coal. High water at 5.45

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear and pleasant Sudden and frequent shifts of wind blowing gentle breeze from SW x S and very fresh squalls from SSE. Heavy swell outside. Low water at 9. Bar steady 29.98.

C S Bruns
Midn

Moon's phase 1st qr Dec. 22 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Cape Town South Africa

Hour.	Knots.	Fathoms.	WINDS.		BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M													
1			W	2		29.97	72	67	66	b	None	10	S
2			NW	2		29.95	72	67	66	"	"	10	"
3			"	2		29.94	72	66	65	"	"	10	"
4			NNE	2		29.93	72	66	65	"	"	10	"
5			"	2		29.93	71	68	66	"	"	10	"
6			"	2		29.95	70	68	66	"	"	10	"
7			"	0		29.94	68	68	66	oc	Cir Cum	9	"
8			Calm	1-2		29.94	69	70	68	bc	"	9	"
9			"	1-2		29.94	71	72	71	"	"	9	"
10			NNW	1-2		29.94	72	75	71	"	"	9	"
11			"	1-2		29.94	72	76	73	"	"	9	"
Noon			SE	1-2		29.95	74	79	74	"	"	9	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons

Water during the preceding 24 hours 1850 "

Water remaining on hand fit for use at noon 2900 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M													
1	N by W	"	3-4			29.93	75	84	78	"	"	9	S
2	"	"	3-4			29.93	75	84	79	"	"	9	"
3	"	"	3-4			29.93	79	86	80	"	"	9	"
4	"	"	3-4			29.93	80	88	79	"	"	9	"
5	At anchor	"	3-4			29.91	80	85	77	"	"	9	"
6	S x E	S x E	3-4			29.90	81	83	75	"	"	9	"
7	"	"	4-5			29.90	79	82	74	"	"	9	"
8	"	"	5-6			29.90	79	81	74	"	"	9	"
9	"	"	5-6			29.90	78	81	72	bcq	"	9	"
10	"	"	6-7			29.90	77	80	70	"	"	9	"
11	"	"	6-7			29.88	77	80	70	"	"	9	"
Mid.	"	"	6-7			29.88	76	78	70	"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Friday Nov 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool Light breeze shifting from W to NNW. Bar[ometer]
falling slowly

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Warm. Light breeze from NNW with occasionally fresh gusts from SE.
English vessel came in and went into dock. Confined David Shelly Lds in double irons for
leaving ship and being disorderly. Received on board fresh provisions for crew

L. P. Jerrett
Master

From 8 to Merid. Clear and pleasant. Light breeze from N.N.W. last part from SE. At 10.15 John
O' Neil was released from confinement and restored to duty. At 10.30 started fires in two for'd
stbd boilers Put on mast head mainsail covers. Hoisted smoke stack and hoisted in catamaran.

C S Bruns
Midn

From Merid. to 4 P.M. Clear. Warm. Moderate breeze from SE. Received on board 35 bags
bread 1830 galls water Housed T. G. masts Made preparations for leaving dock.

L P Jerrett
Master

From 4 to 8 P.M. Clear and pleasant. Moderate to stiff breeze from S x E. At 4.35 cast off from
dock. Got underway. At 4.45 anchored in the bay with 45 fms chain on port anchor in 4 fms
water At 6.20 Placed D. J. Dawney BM in solitary confinement on bread and water for
disrespectful language and disobedience of orders to superior officer by order of Comdr. At 7
~~fires~~ 7 veered to 60 fms on port chain Enlisted W. H. Keeling as Lds for cruise of the Essex from
this date inclusive Rigged out and secured jib boom Secured boats for sea.

C S Bruns
Midn

From 8 PM to Mid. Blowing very fresh from S. Heavy squalls. At 8.30 let go stbd anchor and
veered to 90 fms on port chain and 15 fms on stbd chain Moderate sea Fires banked in 4 boilers
Steam pr 30 lbs

L. P. Jerrett
Master

Moons phase 2nd qr Dec. S. 18 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town to St Helena Island

Hour.			WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A,M															
1			SE by E	SE by S	3-6		29.88	76	78	70		bcf	Cir Cum	9	M
2			"	"	3-6		29.88	76	78	70		"	"	9	"
3			NW	NW	0-1		29.88	76	78	70		bc	"	9	"
4			"	"	0-1		29.88	76	78	70		"	"	9	"
5			NNW	"	1		29.87	74	71	70		"	"	9	"
6			"	Calm	0		29.87	74	71	70		"	"	9	"
7			NW	"	0		29.07	72	72	71		"	"	9	"
8			N by E	"	0		29.88	71	72	71		"	"	9	"
9			"	"	0		29.90	71	73	72		"	"	9	"
10			Underway	"	0		29.90	73	73	70		"	"	9	"
11	3	7	NNW by W	"	0		29.89	73	73	72		"	"	9	"
Noon	7	0	"	"	0		29.90	73	73	70		b	None	10	"

Distance run by Log since preceding Noon 10 knots 7 fathoms.

Latitude by D. R. at Noon S 33° 41' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2650 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M																
1	6	5	"	N	0-1		29.88	73	71	70	67	"	None	10	S	
2	6	8	"	Calm	0		29.85	74	74	71	67	"	"	10	"	
3	7	8	"	NNW	1-2		29.85	73	72	70	67	bc	Cir Cum	9	"	
4	7	2	"	"	2		29.84	70	69	67	67	bp	Cum	2	"	
5	6	7	"	"	2		29.81	70	67	65	64	"	"	2	"	
6	5	5	NW by N	"	2		29.80	70	68	64	64	"	"	2	"	
7	6	2	"	NE	3		29.83	71	64	64	64	ofm	"	0	"	
8	6	0	"	"	3-4		29.83	70	64	64	64	"	"	0	"	
9	6	2	"	"	4		29.84	69	61	62	64	fm	"	0	"	
10	6	5	"	"	4		29.82	69	61	62	65	"	"	0	"	
11	6	7	"	"	4		29.84	68	61	62	65	"	"	0	"	
Mid.	6	2	"	NE by N	4		29.84	68	62	62	65	"	"	0	"	

[Note in left margin at 8 PM reads " S 33° E 17° 24' "]

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday Nov 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant Blowing fresh in squalls from SE x S Latter part light airs from NW. Bar[ometer] steady 29.88

C S Bruns
Midn

From 4 to 8 A.M. Clear and pleasant. Calm and light airs from NW. Flood tide. Hove up starboard anchor and hove in to 30 fms port chain. Fidded top gallant masts. Bent jib and fore topmast staysail. Made preparations for sea. By order of Comdg Officer, Wm Hardis (OS), Philip Hazzard (OS) and J. V. Marion (OS) and David Shelly (Lds) were released from confinement and restored to duty. Fires banked in 4 boilers.

Sam C Lemly Ensign

From 8 AM to Merid. Clear Warm Calm At 8.40 mustered at quarters. At 8.45 loosed top galt yards. At 9 brought to port chain and at 9.15 got underway and stood out to sea. Luther Baker (S.W.) Thos Topley (Lds) W. H. Danforth OS ~~and~~ Wm Barker Lds and John Bullen AS declared deserters from this date At 10.30 took departure North end Robins Il[e] (PC) W.S.W. distant 1 mile By order of Comdr Irving Wallens was rated OS for Nov 1st Steaming in four boilers. Steam pr 50 lbs Rev 45.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant first three hours Foggy last half hour. Calm and light breeze from NNW and NW. On course Steaming with four boilers. Bent flying jib unbent chains and stowed them below Lost sight of Table mountain Obscured by fog at 3.30. Steam pr 55 lbs Rev 40.

From 4 to 6 P.M. Foggy and damp. Light breeze from NNW. Bar[ometer] falling slowly. At 5 changed course to NW by N. By order of Comdr D. J. Dawney BM was released from confinement and restored to duty. Steaming with four boilers On course. Steam pr 52 lbs. Rev 41. Density 26.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Foggy and heavy mist Gentle to moderate breeze from NE. At 7 swayed royal yards out of rigging At 7.20 set jib main trysail and spanker. Steam in 4 boilers Rev 30. Density 26.

C S Bruns
Midn

From 8 PM to Midnight. Misty Thick fog. Moderate NE[aster]ly breeze Under main trysail jib and spanker. By order of Comdr. Midn W. G. Hannum was released from suspension and restored to duty. Steam in 4 boilers. Av pr 55 lbs Rev 38 Density 26

L. P. Jerrett
Master

Moon's phase 2nd qr Dec. S. 13 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town South Africa to Helena Island

Hour.	Knots. TENTHS		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	5	5	NW by N	NNW	3		29.79	68	61	61	64	f	"			S
2	6		"	N by W	4		29.78	68	62	62	64	of	Cum	2		"
3	6	4	"	NNW	3		29.76	68	61	61	64	f	"	0		"
4	6	0	"	"	3		29.78	68	61	61	64	"	"	0		"
5	5	7	"	NW	2		29.78	68	61	60	64	"	"	0		"
6	5	9	"	"	2		29.80	68	61	60	64	"	"	0		"
7	6	2	"	"	2		29.80	68	61	60	63	"	"	0		"
8	6	2	"	NNW	2		29.81	68	61	60	63	"	"	0		"
9	6	0	"	NW	2		29.82	67	61	60	63	"	"	0		"
10	6	2	"	"	2		29.82	67	62	62	63	"	"	0		"
11	6	0	"	"	2-3		29.81	66	62	62	63	"	"	0		"
Noon	5	0	"	"	2-3		29.80	66	63	62	63	"	"	0		"

Distance run by Log since preceding Noon	147	knots														
Latitude by D. R. at Noon	S 32	°	28	'												
Longitude by D. R. at Noon	E 15	°	43	'												
Latitude by Observations at Noon ⊕	S 32	°	28	'	14											
Longitude by Chronometer from Forenoon Observations ⊕	E 15	°	32	'												
Current during the time	knots	4														
Variation of the Compass by Amplitude ⊕ observed at Sunrise																
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 32° 41' Long E 15° 56'	W 28	°														
Water expended during the preceding 24 hours														250	gallons	
Water during the preceding 24 hours																
Water remaining on hand fit for use at noon														2400		
Coal consumed during the preceding 24 hours														tons	lbs.	
Coal remaining on hand at Noon														"	"	

P,M																
1		0	NW by N	N	2-3		29.77	66	63	62	63	"	"	0		S
2	1	5	WNW	"	2-3		29.76	67	63	62	63	"	"	0		"
3	2	2	W by N	N by W	2-3		29.76	67	63	62	63	"	"	0		"
4	3	0	W 1/2 S	NNW	3		29.75	67	63	62	63	od	"	0		"
5	0	5	sw 1/2 w	WNW	3		29.75	67	62	62	63	bc	"	2		"
6	4	5	N 1/2 W	W by N	3		29.75	67	62	62	63	"	"	1		"
7	3	0	N by W	"	3		29.76	67	61	60	63	om	Cum Nimb	0		"
8	2	8	NNW	West	3		29.76	67	61	60	63	"	"	0		"
9	2	6	"	W by S	2-3		29.81	67	61	60	63	op	"	0		"
10	1	0	"	SW by W	1		29.83	67	62	61	63	"	"	0		"
11	1	0	"	"	0-1		29.83	66	61	61	63	"	"	0		"
Mid.	1	2	"	"	0-1		29.83	66	61	61	63	"	"	0		"

[note in left margin at 8 PM reads " S 32° 28' E 15° 10" "]

Longitude by Chronometer from Afternoon Observations ⊕

Longitude by Chronometer Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

under the command of Commander W. S. Schley, U. S. Navy.
Sunday Nov 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Damp and disagreeable Gentle to moderate breeze from N by W and NNW. At 12.15 took in fore and aft sail Steaming with four boilers Sounded fog signals throughout watch Steam pr 52 lbs Rev 38.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Foggy Damp and cool Light breeze from N to NNW. Bar[ometer] steady last two hours of watch Swell from SW Steaming with four boilers On course NW. by N. Steaming with four boilers Av steam pr 50 lbs Rev 37. Density 26

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy Misty ~~Wind~~ Light to gentle breeze from NW Bar steady Sea smooth. Steaming with 4 boilers At 10.50 set main trysail and at 11.15 took it in At 9.30 Comdr inspected ship and crew at quarters Immediately after called all hands to muster and articles for the government of the Navy ~~and~~ held Divine service and mustered crew Av steam pr 30 lbs Rev 35. At 10 sighted a steamer standing to S. and W.

C S Bruns
Midn

From Merid. to P.M. Overcast Misty Light Drizzling rain last half hour Stopped steaming and made plain sail to T G sails At 1 uncoupled screw and lowered smoke pipe Crossed royals yards and set royals Started distiller at 1.30 At 2 set single reefed mainsail and took in main trysail Light wind from N hauling to N and W. Full and by Stbd tack Fires banked in 4 boilers Distilling Sail in sight on stbd beam Density 27.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy Cool Gentle breeze from NW shifting gradually to W by N At 4.10 tacked ship Full and by on port tack One sail in sight on weather bow Fires banked in 4 boilers Distilling Density 27

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Overcast ugly threatening weather Gentle breeze from W by N to West Bar steady Sea smooth At 6.30 hauled down flying jib and gaff topsail took in and furled royals took single reef in topsail At 6.45 mustered at quarters Ship on course NNW close hauled Fires banked in two boilers Distilling Density 26.

C. B. T. Moore
Ensign

From 8 PM to Mid. Overcast Light breeze from W by S. first hour Calms and light airs from SW by W remainder of watch Bar rising Sea smooth. Passing rain By order of Comdr. Lieut C. K. Curtis was released from suspension and restored to duty. Fires banked in two boilers Distilling Density 26.

C S Bruns
Midn

Moon's phase qr Dec. N. °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

Hour.	WINDS.					BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fifts.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M																
1	1		NNW	W	0-1	29.83	65	62	61	64	om	Cum Nimb	0	S		
2	1		"	"	0-1	29.75	65	62	61	64	o	"	0	"		
3		8	"	"	1-1	29.78	64	62	61	64	"	"	0	"		
4	2		"	W by S	2	29.78	64	62	61	64	"	"	0	"		
5	2		"	"	2	29.80	64	61	60	64	od	"	0	"		
6	1	5	"	"	1-2	29.81	64	61	60	63	o	"	0	"		
7	1	0	"	"	0-1	29.81	64	63	63	63	"	"	0	"		
8		No steerage way		Calm	0	29.81	65	63	63	63	"	"	0	"		
9	0	5	NNW	NE	1	29.81	65	62	62	63	"	"	0	"	[Note in left margin at 9 PM "S 32° 10' E 15° "]	
10	3	0	NNW 1/2 W	"	2	29.82	65	63	62	63	"	"	0	"		
11	4		WNW	N	3	29.83	65	63	62	63	"	"	0	"		
Noon	4	6	"	"	4	29.83	65	63	62	63	"	"	0	"		

Distance run by Log since preceding Noon	48	knots		Tenths 7 fathoms.
Latitude by D. R. at Noon	S 32	°	10	"
Longitude by D. R. at Noon	E 14	°	47	"
Latitude by Observations at Noon ⊕	S 32	°	2	"
Longitude by Chronometer from Forenoon Observations ⊕	E 14	°	46	30 "
Current during the time	knots	fms. per hour, setting to the		[Note in left margin reads "Sg. 1384"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at 9 AM Lat S 32° 30' Long E 14° 59'	W 28	°	55	"
Water expended during the preceding 24 hours				250 gallons
Water Condensed during the preceding 24 hours				450 "
Water remaining on hand fit for use at noon				2600 "
Coal consumed during the preceding 24 hours		tons		lbs.
Coal remaining on hand at Noon		"		"

P.M															
1	4	5	W 1/4 N	NNW	4	29.83	65	63	62	63	o	"	0	S	
2	4	2	NE	"	4	29.82	65	62	61	63	"	"	0	"	
3	4	6	NE 1/2 N	"	4	29.81	65	62	61	63	"	"	0	"	
4	5	0	NE	"	4	29.80	65	62	61	63	bc	"	1	"	
5	4	8	NE 1/4 N	"	4	29.79	65	62	61	63	"	"	2	"	
6	5	4	"	"	4	29.80	65	62	61	63	"	"	1	"	
7	3	0	NNE 1/2 E	NW by N	4	29.80	65	62	61	63	"	"	0	"	
8	2	0	NE 1/2 N	NNW	3	29.80	66	62	61	63	"	"	0	"	
9	1	6	NE	"	3	29.81	67	62	61	63	"	"	0	"	
10	3	2	WNW 1/4 W	N	3	29.83	66	62	61	63	"	"	0	"	
11	4	2	WNW 1/2 W	"	4-5	29.83	66	62	61	63	sq	"	0	"	
Mid.	4	0	NNW	"	4-5	29.83	66	62	61	63	"	"	0	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations	0	1	11
Variation of the Compass by Amplitude	0	1	11
observed at Sunset			
Variation of the Compass by	0	1	11
at			

under the command of Commander W. Scott Schley, U. S. Navy.
Monday Nov 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast Cool Light airs from W. first part [unreadable] to light breeze latter part of watch At 2 hauled up main sail and spread it at 3 set main sail and spanker Ship under plain sail to T G sail single reefed topsails and mainsail Fires banked in two boilers Distilling Density 26.

C. K. Curtis
Lieut ~~Master~~

From 4 to 8 A.M. Overcast light drizzling rain first hour. Pleasant remainder of watch Light breeze from W by S dying out during watch On course NNW. At 5 shook reefs out topsails and royals and flying jib Fires banked in two boilers Distilling Density 26.

L. P. Jerrett
Master

From 8 AM to Merid. Clear and pleasant Light airs from NE increasing to moderate breeze from N Bar[ometer] rising slowly Sea smooth Under all plain sail full and by. At 9.23 exercised at general quarters Times as follows Eng. Div 30 s[econds] Marine Guard 30 s Nav 1 m[inute] 15 s Pdr [Powder Division] 2 m 20 s Surg[eons] 3 m 10 s 2nd 3 m 20 s 1st Div 6 m 40 s. Secured at 10.02 in 7 m 36 s. At 9.25 set gaff topsail Fires banked in two boilers Steam pr 25 lbs. Distilling By order of Comdr the following punishments were rendered B A Low (MAA) for neglect of duty and D Kubber (tailor) drunk and noisy no money or liberty for 3 months J W Scot (Cox) W D Jenkins (OS) Thos Murphy (OS) James Bryson (OS) Char Beardsley (OS) John Hashenger (OS) for carelessness in passing boxes below and defacing ladders each 12 hrs extra duty Density 27.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Moderate breeze from NNW Bar[ometer] falling slowly. At 1 tacked ship to N and E. At 1.30 clewed up light sails & set up top gallant royal backstays reset light sails at 3.30. Hauled fires Density 27. One sail in sight at end of watch.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy Cool Moderate breeze from NNW. Cum Nimb clouds Ship under all plain sail. Single reefed main sail Full and by. Density 27.

C S Bruns
Midn

From 6 to 8 P.M. Overcast Cool Pleasant Moderate to gentle breeze from NNW. At 6.15 took in T G sails and royals. Took single reef in topsails At sunset mustered at quarters At 7.50 set T G sails Full and by port tack Density 27.

C. K. Curtis
Lieut

From 8 PM to Mid. Overcast Cool Squally Gentle to stiff breeze from NNW to N. Bar unsteady At 8.45 wore ship to N. and W. Ship close hauled stbd tack under jib F T M staysail courses single reefed topsails T G sails and spanker Density 26.

L. P. Jerrett
Master

Moon's phase 2nd qr Dec. S. 3°.

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town South Africa to Helena Island

Hour.	WINDS.			BAROMETER.			TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.			
	Knots.	Fathoms-TENTHS	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.		
A,M																		
1	4	8	W by N	N by W	4-5		29.80	65	61	60	63	opq	Cum Nimb	0	S			
2	5	0	WNW	W	4-5		29.77	64	61	61	63	"	"	0	"			
3	5	5	nw by w 1/2 w	N by W	4-5		29.76	64	61	61	64	"	"	0	"			
4	3	5	"	"	4-5		29.75	64	61	61	64	op	"	0	"	Ship under single reefed		
5	2	7	wnw 3/4 w	N	4-5		29.73	64	61	61	64	"	"	0	M	topsails courses jib		
6	2	8	W	NNW	4-5		29.77	64	62	62	63	opq	"	0	"	m staysail and spanker		
7	3	0	W 1/2 N	"	4-5		29.78	63	62	62	62	bcq	"	1	"			
8	3	5	W 1/2 N	"	4-5		29.76	63	62	61	62	"	"	1	"			
9	5	0	W 1/4 S	"	4-6		29.76	64	62	61	62	"	"	2	"	Shook out sails		
10	3	4	w 3/4 s nne	SW by S	4-6		29.76	63	62	61	62	"	"	3	"	Set T G sails		
11	4	0	N by E	"	4-5		29.76	63	62	61	63	"	"	5	"			
Noon	5	0	N by E 3/4 E	"	4-6		29.75	63	62	61	63	"	"	7	"	Plain sail to T G sails		
Distance run by Log since preceding Noon											87 knots		Tenths 4 fathoms.					
Latitude by D. R. at Noon											S 31	°	39	'	40	"		
Longitude by D. R. at Noon											E 13	°	50	'	30	"		
Latitude by Observations at Noon ⊕											S 31	°	47	'		"		
Longitude by Chronometer from Forenoon Observations ⊕											E 13	°	50	'		"		
Current during the time											knots fms. per hour, setting to the		[Note in left margin reads "Sg. 1384"]					
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°		"		"			
Variation of the Compass by Azimuth ⊕ observed at											°		"		"			
Water expended during the preceding 24 hours													250 gallons					
Water during the preceding 24 hours													"					
Water remaining on hand fit for use at noon													2350 "					
Coal consumed during the preceding 24 hours											tons		lbs.					
Coal remaining on hand at Noon											"		"					
P,M																		
															All plain sail			
1	4	0	n by e 1/2 e		4-6		29.80	64	62	60	63	"	Cir Cum	6	"			
2	3	4	N	wnw	4-6		29.83	64	62	60	63	"	"	9	"			
3	2	8	N by E	NW by W	4		29.82	64	62	60	63	bc	"	8	"			
4	2	6	nne 1/2 e	"	4		29.82	64	62	60	63	"	"	8	S	Same		
5	4	5	NE by N	NW by N	4		29.84	64	62	60	63	"	"	8	"	"		
6	4	2	NE 3/4 N	"	4		29.85	64	62	59	63	"	"	7	M			
7	5	4	NE 1/2 N	"	4		29.85	64	61	59	63	"	"	6	"			
8	2	0	NE by E	NW	4		29.85	64	61	59	63	"	"	5	"	Took in royals		
9	4		[?]	NW by N	4	1/2	29.85	64	61	59	63	"	"	3	"	and one reef in		
10	4		WSW	NW	4-7	1	29.85	64	60	59	63	bcpq	"	7	"	topsails		
11	3	6	W by S	NW by N	3-5	1	29.85	63	60	59	63	bcq	"	7	"			
Mid.	3	2	WSW	NW	4-7	1	29.85	63	59	59	63	bcpq	"	3	"	Took in T G sails took in mainsail and spanker		
Longitude by Chronometer from Afternoon Observations ⊕											°		'		"			
Longitude by Chronometer Observations											°		'		"			
Variation of the Compass by Amplitude											°		'		"			
Variation of the Compass by											°		'		"			

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday Nov 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Squally. Passing rain Moderate to light breeze from N by W and N by E. Bar[ometer] falling. Sea smooth. At 2 took in and furled T. G. sails. Density 25.

Sam C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Cool Moderate N W[ester]ly breeze shifting to N N W and blowing in gusts Cum Nimb clouds light passing showers Ship under single reefed topsails and mainsail foresail jib and fore topmast staysail and spanker. Full and by Density 26.

C. B. T. Moore
Ensign

From 8 AM to Merid. Cloudy. Cool Pleasant Moderate to fresh blowing in squalls from N N W shifting to N W by N. At 8 shook reefs out topsails set T. G. sails and gaff topsails At 9.15 inspected quarters At 9.40 tacked ship to N and E. Full and by on port tack.

C S Bruns
Midn

From Merid. to 4 P.M. Clear and pleasant Moderate to fresh breeze from N W by W and W.N.W. Bar steady last two hours of watch. Sea moderate At 1.30 crossed royal yards and set royals Close hauled port tack under all plain sail Density 26.

C. K. Curtis
Lieut

From 4 to 6 P.M. Clear and pleasant Moderate breeze from NW by N Bar rising Sea smooth Ship under all plain sail except flying jib Density 26.

L. P. Jerrett
Master

From 6 to 8 P.M. Clear. Cool. Moderate breeze from N.W. At 6.50 took in royals took reef in topsail At sunset mustered at quarters At 7.30 wore ship to S and W. Moderate sea ~~settling~~ Bar Steady Density 26.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy and squally Passing showers Wind moderate from N W with frequent squalls At 9.30 took in T G sails At 11.30 took in mainsail and spanker Bar steady Sea moderate Hydrometer 26.

C. B. T. Moore
Ensign

Moon's phase 2nd qr Dec. N. 3°.

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town South Africa to St. Helena Island

Hour.	WINDS.					BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	Fathoms TENTS Fathoms	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M																
1	2	0	WSW 1/2 W	NW by N	5-7		29.85	65	59	59	63	bcq	Cum Nimb	5	M	Hauled down jib took
2	2	2	NSW	"	4-5		29.85	63	59	59	63	"	"	8	"	in spanker set main sail
3	3	2	NNE 1/4 E	NW	4-6		29.83	63	59	59	62	"	"	9	"	and spanker
4	3	6	N by E 1/2 E	NW by W	4-6		29.83	63	59	59	62	"	"	8	"	
5	3	2	NNE	N	4-5		29.85	63	57	56	62	"	"	7	"	Double reefed topsails
6	3	2	"	"	4-8		29.85	63	57	55	62	bcq	"	2	"	single reefed foresail
7	4	6	NE	"	4-7		29.88	63	58	56	62	"	"	3	"	
8	4	5	NNE 1/2 E	"	4-6		29.92	62	59	57	62	"	"	4	"	
9	4	0	N 3/4 E	WNW	4-5		29.93	62	59	57	62	bcq	"	7	"	Set main sail shook
10	3	0	"	"	3-4		29.95	62	59	57	63	bc	"	7	"	one reef out topsails set
11	3	6	"	NW by W	4-5		29.97	62	60	58	63	"	"	7	"	jib and spanker shook
Noon	5	0	NNE	NW	6		29.97	62	60	58	63	"	"	7	"	T G sails and gaff topsail

Distance run by Log since preceding Noon	86 knots	Tenths 8 fathoms.	
Latitude by D. R. at Noon	S. 30 °	57	30 "
Longitude by D. R. at Noon	E 13 °	33	"
Latitude by Observations ⊕	S 30 °	48	48 "
Longitude by Chronometer from Forenoon Observations ⊕	E 13 °	34	"
Current during the time 0 knots 5 Tenths fms. per hour, setting to the N.			[Note in left margin reads "Sq. 1584"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		"	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM, Kat, 31° 2' S, Long. 13° 39 E.	W 29 °	43	"
Water expended during the preceding 24 hours		250	gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon		2100	"
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

P,M																
1	6	0	"	NW	5-6		29.98	62	61	58	63	bcq	"	6	S	Plain sail to T.G. sail
2	6	2	N by E 1/2 E	NW by W	5-6		29.99	63	62	59	64	"	"	7	"	
3	6	0	W 1/2 E	"	5		30.00	63	63	60	64	"	"	8	"	
4	5	5	"	"	5		30.00	64	63	59	64	"	"	7	"	Same.
5	5	2	"	"	5		30.02	64	61	59	63	"	"	7	"	
6	4	0	N 1/2 W	WNW	4		30.02	64	61	58	63	bcqp	"	7	"	
7	4	2	N	"	4		30.07	64	59	58	63	"	"	6	"	Same except gaff
8	4	5	"	"	4		30.08	64	59	58	63	"	"	5	"	topsail
9	5	0	N 1/2 E	"	4		30.08	64	59	58	63	bcq	"	7	"	
10	4	8	N 1/4 E	"	4		30.10	64	59	58	63	"	"	7	"	
11	4	0	N	"	3-5		30.10	63	59	58	63	"	"	4	"	Took in spanker
Mid.	3	6	N 1/4 W	WSW	3-4		30.10	63	59	58	63	bczs	"	4	"	and T G sails

[Notes in left margin at 8 PM: "S 30° 8' E 13° 18' "; at 10 PM "S 30° E 13° 01' "; at midnight "Sq 1357"]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday Nov 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant Squally Moderate to very fresh breeze from NW by N to NW by W. Bar[ometer] falling slowly. At 1.45 hauled down jib took in spanker. At 2 passed a full rigged ship on port tack. At 2.10 set mainsail jib and spanker At 2.15 wore ship to S and E. Moon rose at 2.45 Lightening in horizon to S. Sea moderate Density 26.

C S Bruns
Midn

From 4 to 8 A.M. Cloudy Squally. Passing rain Moderate to very fresh breeze from N.W. Bar rising Sea moderate At 5.30 carried away weather main topsail sheet clewed down ~~topgallant~~ G Top sails and took in weather clew of main topsail rove off main topsail sheet took double reef in topsails and single reef in foresail Took in main sail and spanker hauled down jib Weather unsettled Density 26.

C. K. Curtis
Lieut

From 8 AM to Merid. Clear Cool Moderate to fresh breeze from NW. Cum Nimb clouds At 8.15 set mizzen sail shook one reef out topsails set jib and spanker. At 9.30 inspected at quarters At 10 shook reefs out topsails and foresail set T G sails and gaff topsail Exchanged colors with a full rigged English ship standing to N.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant Stiff to very fresh breeze from N W by W. Sea moderate Full and by on port tack Exchanged colors with an English ship from Rangoon to St. Helena Her distinguishing letters J T H D. Gave her our longitude At end of watch she bore broad off lee quarter distant 4 miles. Hydrometer 26.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant Stiff to moderate breeze from N W by W to W N W. Sea moderate Bar[ometer] steady Ship full and by on port tack Made all plain sail to T G sails One sail in sight in lee quarter Density 26

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy Pleasant Moderate breeze from W N W. Bar rising Long swell from W. At sunset mustered at quarters Density 27. Took in gaff topsail

C S Bruns
Ensign

From 8 PM to Mid. Clear. Cool. Bright moonlight Moderate N.N.W. breeze until 11.40 wind course from W.S.W. At 11.45 took in T G sails and spanker. Ship on course N N W at end of watch Density sea water 27.

C. K. Curtis
Lieut

Moon's phase 2nd qr Dec. N. 8°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

Hour.	WINDS.						BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water surface.					
A.M																
1	3	4	NNW	W by S	4		30.10	63	60	58	63	bc	Cir Cum	2	S	Set T G sails and
2	4	0	n by w 3/4 w	W	4		30.09	63	62	59	63	"	"	2	"	spanker took in
3	3	5	NNW	"	3		30.09	62	61	59	63	"	"	2	"	T G sails and spanker
4	2	6	"	W by S	2		30.09	62	60	58	63	"	"	2	"	set T G sails & spanker
5	3		"	"	3		30.09	62	60	58	63	"	"	3	"	
6	2	5	"	WSW	1		30.09	62	60	58	63	"	"	1	"	All plain sail
7	1	0	"	SSW	1		30.11	62	60	58	63	"	"	7	"	to royals except
8	1	0	"	"	1		30.12	62	61	59	63	"	"	7	"	F jib and spanker
9		5	"	SSE	1		30.13	63	62	60	63	"	"	6	"	
10		5	"	"	0-1		30.13	63	65	62	63	"	"	7	"	Same except
11	1	2	"	"	1		30.13	64	65	63	64	"	"	8	"	mainsail and spanker
Noon	1	0	"	"	1		30.13	64	67	63	64	"	"	8	"	

P,M													Hauled down jib &		
1	Drifting to N and E		No Steerage way	Calm	0	30.11	66	68	66	64	"	"	7	S	F T M stays
"				0	30.11	66	67	66	64	"	"	7	"		
"				0	30.10	66	67	65	64	"	"	7	"	Set royals and mainsail	
4	1	8	NW by N	WSW	2	30.10	66	65	63	64	"	"	8	"	spanker and gaff
5	2	5	"	"	1-2	30.08	66	65	62	65	"	"	9	"	topsail
6	2	5	"	"	1-2	30.09	66	63	61	65	"	"	9	"	
7	3	8	"	W by S	3	30.10	66	62	60	65	"	"	9	"	
8	4	5	"	"	3	30.10	66	61	60	65	"	"	9	"	
9	4	5	NNW 1/2 W	WSW	4	30.13	66	61	60	65	"	"	9	"	Same
10	4	8	"	"	4	30.14	66	60	59	65	"	"	9	"	
11	5	2	"	"	4	30.14	65	60	59	65	"	"	9	"	
Mid.	5	4	"	"	4	30.14	65	60	59	65	"	"	9	"	Same

Variation of the Compass by

under the command of Commander W. S. Schley, U. S. Navy.
Thursday Nov 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool Moonlight Moderate to light breeze from W and W by S. At 12.35 set T G sails and spanker At 2.35 took them in At 3.45 set them Moon set at 3.30 Sea moderate Hydrometer 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy and pleasant Light airs from S W by S shifting during watch to SSW. Bar[ometer] rising slowly. At daylight sighted full rigged ship on lee quarter distant 8 miles At 7.30 crossed royal yards and set royals At 7.45 braced up spanker Density 27 Long swell WSW.

Sam. C. Lemly
Ensign

From 8 AM to Merid. Clear and pleasant Light airs from SSE. Bar steady. Long swell from S. and E. Ship rolling deeply at times At 8.15 took in mainsail and spanker. At 9.15 mustered at quarters Exercised crew at single sticks At 11.45 changed course to N W by N. Density 25.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear Warm Calm until 3 when light breeze sprang up from W.S.W. At 1 hauled jib and F T M staysail At 3 braced up and set head sails mainsail spanker and gaff topsail On course Density 26 Ship rolling through an angle of 25° Heavy swell from SW

C S Bruns
Midn

From 4 to 6 P.M. Clear and pleasant Light breeze from WSW. Long swell from S. and W. Ship rolling moderately. On course NW by W. Hydrometer 26.

C. K. Curtis
Lieut

From 6 to 8 P.M. Clear and pleasant Gentle breeze from W by S. Bar steady during watch Long swell from S.W. At 6.40 mustered at quarters Ship on course under all plain sail One sail in sight on lee quarter Density 26.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant Moderate breeze from WSW. Bar rising Long swell from S. At 8 changed course to N N W 1/2 W. Density 26.

Sam. C. Lemly
Ensign

Moon's phase 2nd qr Dec. N. 13°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town South Africa to St Helena Island

Hour.	WINDS.						BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Estimate TENTS Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	5	7	nnw 1/2 w	WSW	4-5		30.12	64	60	59	63	bc	cir cum	4	S	Made under all plain
2	5	2	"	"	4-5		30.10	64	60	59	63	"	"	3	"	sail took in
3	5	0	"	"	4-5		30.10	64	61	60	63	"	"	7	"	royals
4	5	0	"	"	4		30.09	64	61	60	63	"	"	8	"	
5	4	2	"	"	4		30.09	64	61	60	63	"	"	8	"	set royals
6	4	0	"	SW	3		30.10	64	62	60	64	"	"	8	"	
7	3	0	"	"	3		30.10	64	62	60	64	"	"	7	"	
8	2	2	"	"	2		30.13	64	63	61	64	"	"	3	"	Under all plain
9	1	4	"	"	1		30.14	64	63	61	64	"	"	4	"	sail except F J S
10	2	2	"	"	2		30.14	64	64	62	64	"	"	1	"	
11	2	9	"	WSW	2		30.15	65	64	62	64	"	"	1	"	
Noon	2	5	"	"	1		30.15	65	65	63	64	"	"	1	"	All plain sail

Distance run by Log since preceding Noon

78 knots

Tenths
7 fathoms.

Latitude by D. R. at Noon

S 28 ° 38 ' "

Longitude by D. R. at Noon

E 11 ° 43 ' "

Latitude by Observations at Noon ⊕

S 28 ° 28 ' 30 "

Longitude by Chronometer from Forenoon Observations ⊕

E 11 ° 47 ' 30 "

Current during the time 0 knots 5 Tenths
hrs. per hour, setting to the NNE

Variation of the Compass by Amplitude ⊕ observed at Sunrise

° " "

[Note in left margin reads " Sg. 1357"]

Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. 28° 35' S Long 11° 56' E

W 28 ° 38 " "

Water expended during the preceding 24 hours

300 gallons

Water during the preceding 24 hours

"

Water remaining on hand fit for use at noon

1550 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P,M

1	2	8	NNW 1/2 W	WSW	2		30.15	66	65	63	64	bc	Cir Cum	4	S
2	2	0	"	"	2		30.13	66	65	64	64	"	"	6	"
3	3	4	"	"	3-4		30.12	66	65	65	65	"	"	6	"
4	4	5	"	"	4		30.12	66	67	65	65	"	"	6	"
5	6	0	"	"	4		30.13	66	65	64	64	"	"	4	"
6	6	2	"	"	5		30.15	66	64	63	64	"	"	6	"
7	6	8	"	"	5		30.15	66	63	63	64	"	"	8	"
8	6	2	"	"	5		30.15	66	63	63	64	"	"	8	"
9	6	4	"	"	5		30.18	66	63	62	64	"	"	5	"
10	7	3	"	"	5-6		30.18	66	62	61	64	"	"	1	"
11	7	5	"	"	5-6		30.18	65	62	61	64	"	"	1	"
Mid.	7	6	"	"	6		30.18	65	62	61	64	"	"	4	"

[Note in left margin at 8 PM reads "S 28° 7' E 11° 12' "]

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday October [sic, actually November] 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy first part ~~calm~~ clear latter part of watch. Moderate WSW breeze. At 1.00 took in and furled royals hauled down jib Bright moonlight At 4 moon set On course Density 25

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant Moderate breeze from WSW shifting to SW. and falling light latter part watch Long swell from SW Hydrometer 26

C S Bruns
Midn

From 8 to Merid. Clouds and pleasant Light airs to light breeze from S W and WSW. Bar[ometer] rising slowly. At 9.25 exercised at fire quarters. Times Eng[ineering] 1 m[inute], 1st Div 1 m, 2nd Div 2 m 25 s[econds]. Secured in one minute One sail in sight on lee quarter. Density 26.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear Pleasant Moderate breeze from W.S.W. Bar falling slowly Sea smooth. Ship under all sail Density 26. One sail in sight

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy Cool Moderate WSW breeze Cir Cum clouds Slushed spars Ship under all plain sail Two sails in sight at end of watch. A schooner 3 pts abaft beam and English ship broad off stbt quarter. On course Density 27

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Clear and pleasant Stiff breeze from WSW by W. Ship under all plain sail On course NNW 1/2 W. At 6.25 hauled down F jib. At 6.30 mustered at quarters Hydrometer 26

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy and pleasant Stiff to fresh breeze from SW. Bar steady. Sea moderate Light scud passing rapidly to NE. At 9 took in gaff topsail At 10 took in royals Density 27.

C S Bruns
Midn

Moon's phase 2nd qr Dec. N. 17°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town to St Helena Island

Hour.				WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	TENTHS	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	8	0	nnw 1/2 w	SW by S	5-6		30.18	64	61	60	65	bc	Cir Cum Nimb	3	M	All plain sail to
2	7	5	"	"	4-6		30.18	64	61	59	65	"	"	2	"	top gallant sail
3	9	4	"	"	6		30.18	64	60	59	65	"	"	1	"	
4	7	5	"	"	4-5		30.18	64	60	59	65	o	"	0	"	
5	7	6	"	"	5-6		30.19	63	61	59	65	o	"	0	"	
6	8	5	"	"	6		30.20	63	61	59	65	"	"	0	"	
7	8	2	"	"	6		30.22	63	61	59	65	"	"	0	"	Set royals
8	8	0	"	S by W	6		30.24	63	61	59	65	"	"	0	"	
9	7	5	"	"	5-6		30.25	63	62	60	64	"	"	0	"	Took in F T M stays
10	7		"	S	6		30.25	63	62	61	64	"	"	0	"	Took in spanker and
11	7		"	"	6		30.25	63	63	61	64	bc	"	2	"	flying jib
Noon	6	5	"	"	5		30.25	63	63	61	64	"	"	3	"	

[Notes in left margin reads: At 4 AM "S 27° 18' E 10° "; at 8 PM "S 26° 47' E 9° 31' "]

Distance run by Log since preceding Noon	159 knots	Tenths	
Latitude by D. R. at Noon	S 26 °	59 ' 45 "	
Longitude by D. R. at Noon	E 9 °	19 ' "	
Latitude by Observations at Noon ⊕	S 26 °	44 ' 15 "	
Longitude by Chronometer from Forenoon Observations ⊕	E 9 °	12 ' 30 "	
Current during the time 0 knots 7 Tenths fms. per hour, setting to the N.N.W.			[Note in left margin reads "Sg. 1356"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours		300 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1250 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M																
1	6	4	NNW 1/2 W	S	6		30.25	64	64	62	64	o	Cum Nimb	0	M	All plain
2	9	0	"	"	6		30.25	64	64	62	64	"	"		"	
3	7	0	"	"	6		30.24	64	64	62	65	"	"		"	
4	7	0	"	"	6		30.22	64	64	62	65	"	"		"	
5	6	0	"	"	4-5		30.20	64	63	62	65	"	"		"	
6	6	4	"	"	4-5		30.25	65	62	61	65	"	"		"	
7	7	2	"	"	5		30.20	65	62	60	64	"	"		"	
8	6	5	"	"	5		30.20	63	62	60	64	"	"		"	
9	7	2	"	"	6		30.23	65	62	60	64	"	"		"	
10	8	4	"	"	6		30.25	64	62	60	64	"	"		"	
11	9	0	"	"	6		30.25	64	62	60	64	"	"		"	
Mid.	9		"	"	6		30.22	63	61	59	64	"	"		"	

Longitude by Chronometer from Afternoon Observations ⊕	o	'	"
Longitude by Chronometer Observations	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by Azimuth at 4 P.M. Lat S 26° 27' Long E 8° 43' W 27	o	40	'

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday November 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy Pleasant Moderate to fresh breeze from SW by S and SSW. Barometer rising Sea moderate settling to N and E. Density 26

C. K. Curtis
Lieut

From 4 to 8 A.M. Cool Fresh SSW breeze Cum Nimb clouds At 6.45 set royals Ship on course Bar[ometer] rising Density 26.

L. P. Jerrett
Master

From 8 to Merid. Overcast first two hours. Cloudy last two Stiff to fresh breeze from S by W and S. ~~At 7~~ Sea moderate At 8.15 took in F T M staysail At 9.25 took in spanker At 9.35 hauled down jib By order of Comdr Jeremiah Darinson[?] (2CF) and Andrew McDonald (Lds EF) were given 12 hours extra duty for skulking on berth deck while on watch Density 26.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy and pleasant Fresh breeze from S. Bar falling slowly. Sea moderate Ship under all square sail Density 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy Pleasant Moderate to stiff breeze from S. Bar fluctuating Ship under all plain sail At 5 set jib Density 26

C S Bruns
Midn

From 6 to 8 P.M. Cloudy Pleasant Stiff S[outher]ly breeze Cum Nimb clouds At sunset mustered at quarters Ship under plain sail to royals except spanker gaff topsail fore topmast staysail and flying jib On course Density 26.

C. K. Curtis
Lieut

From 8 PM to Mid. Cloudy. Cool. Pleasant Fresh breeze from S. At 11.15 took in royals On course. Density 26.

L. P. Jerrett
Master

Moon's phase 2nd qr Dec. N. 21°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

Hour.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
Knots.	Fathoms.	Fathoms.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M															
1	8	0	NNW 1/2 W	S by E	6-7	30.20	63	61	59	65	bc	Cir Cum	6	M	All plain sail
2	8	5	"	"	7	30.15	63	61	59	64	"	"	4		to T G sail
3	9	0	"	"	7	30.17	63	61	59	64	"	"	1		
4	8	6	"	"	7	30.17	63	61	59	64	"	"	1		
5	7	6	"	"	5-6	30.17	63	62	60	64	"	"	1		All plain sail
6	7	6	"	"	6	30.18	63	62	60	64	"	"	1		
7	8	6	"	"	6	30.19	62	62	60	64	"	"	1		
8	8	6	"	"	6-7	30.22	62	62	60	64	"	"	1		
9	8	6	"	"	6-7	30.21	63	63	62	64	"	"	1		
10	7	6	"	SSE	6-7	30.20	64	64	63	64	"	"	3		Hauled up [unreadable]
11	7	8	"	"	6-7	30.20	64	65	64	65	"	"	4		Hauled up mainsail hauled down jib clewed up fore royal
Noon	8	9	"	"	6-7	30.20	65	65	64	65	"	"	4		

Distance run by Log since preceding Noon	185	knots			Tenths 7	fathoms.
Latitude by D. R. at Noon	S 25	°	1	'		"
Longitude by D. R. at Noon	E 6	°	20	'	30	"
Latitude by Observations at Noon ☉	S 24	°	50	'	15	"
Longitude by Chronometer from Forenoon Observations ☉	E 5	°	56	'		"
Current during the time	1	knots	0		Tenths 100	per hour, setting to the W.N.W.
Variation of the Compass by Amplitude ☉ observed at Sunrise		°			"	" [Note in left margin reads "Sg. 1329"]
Variation of the Compass by Azimuth ☉ observed at		°			"	"
Water expended during the preceding 24 hours					250	gallons
Water						"
Water remaining on hand fit for use at noon					1000	"
Coal consumed during the preceding 24 hours		tons				lbs.
Coal remaining on hand at Noon		"				"

[Notes in left margin reads as follows: At 8 PM " S 24° 18' E 5° 13' "; at 10 PM " S 24° 7' E 5° "; at mid. "Sq 1328"]

Longitude by Chronometer from Afternoon Observations ☉	°	'	″
Longitude by Chronometer Observations	°	'	″
Variation of the Compass by Amplitude	°	'	″
	observed at Sunset		
Variation of the Compass by azimuth At 4 P.M.	Lat S 24° 33' Long E 5° 36'	W 27	° 45'

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday Nov 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool Fresh to very fresh breeze from S. by E. Bar. falling slowly Sea moderate Long swell from SSW. Ship rolling considerably at times Density sea water 26.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy Pleasant Fresh breeze from S by E Bar[ometer] rising Moderate sea setting to N. At 7 set royals Density sea water 26

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy Pleasant Fresh to very fresh breeze from S.S.E. At 11.45 hauled up mainsail and hauled down jib At 11.55 clewed down fore royal to make repairs on sail Ship under all square plain sail except mainsail and fore royal On course Moderate sea from S. Ship rolling deeply at times Density 27.

C S Bruns
Midn

From Merid. to 4 P.M. Cloudy and pleasant Fresh breeze from SSE. Bar steady last two hours At 12.17 changed course to N.N.W. Moderate sea Density sea water 27 Set fore royal

C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy and pleasant Stiff breeze from SSE. Sea moderate to long swell from S. Ship under all plain square sail except main sail On course. Clewed down fore royal set up royal backstays Density 27.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy and pleasant Moderate to stiff breeze from S.S.E. Bar rising Long swell setting to S and W. Moon rose at 7.25 Density 27.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy Obscured moonlight Cir Cum clouds At 10 ~~parted~~ post fore T G sheet [unreadable] clewed up fore royal and T G sail At 10.30 set fore royal and T G sail Long swell from S and E. Ship rolling deeply at times under all square sail On course Density 27

C. B. T. Moore
Ensign

Moon's phase 3rd qr Dec. N. 24 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

Hour.	Knots.	Fathoms.	TENTHS Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Pop. of Clear Sky, in tenths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.					
A.M																
1	6	4	NNW	SSE	5	30.15	65	63	63	65	bc	Cir Cum	6	R	All square sail	
2	7	4	"	"	5	30.13	65	63	63	65	"	"	4	"	except mainsail	
3	7	2	"	"	5	30.12	65	62	62	65	"	"	5	"		
4	7	4	"	"	5	30.12	65	62	62	65	"	"	4	"		
5	7	2	"	"	5	30.12	65	62	62	65	"	"	1	"		
6	7	2	"	"	5	30.12	65	62	62	65	"	"	1	"	Same	
7	6	6	"	"	5	30.14	65	63	62	66	"	"	1	"		
8	7	0	"	"	5	30.15	65	64	63	66	"	"	1	"		
9	7	5	"	"	5	30.15	65	65	64	66	"	"	1	M		
10	7	5	"	"	5	30.15	65	65	64	66	"	"	1	"	Same	
11	7	0	"	"	5	30.16	65	67	65	66	"	"	1	"		
Noon	7	0	"	"	5	30.16	66	68	66	66	"	"	1	"		

Distance run by Log since preceding Noon	163	knots			Tenths	
	0				fathoms.	
Latitude by D. R. at Noon	S 23	°	7	'		"
Longitude by D. R. at Noon	E 3	°	38	'		"
Latitude by Observations at Noon ☉	S 23	°	7	'	25	"
Longitude by Chronometer from Forenoon Observations ☉	E 3	°	25	'		"
Current during the time	0	knots	5		Tenths	
					fms. per hour, setting to the	West
Variation of the Compass by Amplitude ☉ observed at Sunrise			°		"	"
Variation of the Compass by Azimuth ☉ observed at 8 A.M. Lat 23° 27' S Long 3°51' E	W 27	°	5		"	"
Water expended during the preceding 24 hours					250	gallons
Water						"
Water remaining on hand fit for use at noon					750	"
Coal consumed during the preceding 24 hours		tons			lbs.	
Coal remaining on hand at Noon		"			"	

P,M														All square sail	
1	5	8	NNW	SSE	5	30.15	67	68	67	66	bc	Cir Cum	2	S	except mainsail
2	5	8	"	SE	4	30.15	67	68	67	66	"	"	3	"	
3	5	5	N by W 1/4 W	"	4	30.13	67	69	68	66	"	"	4	"	
4	4	8	"	SSE	4	30.12	67	69	68	66	"	"	4	"	
5	4	5	"	"	3-4	30.11	67	68	67	66	"	"	2	"	
6	5	7	"	"	3-4	30.11	68	66	65	66	"	"	1	"	Same.
7	5	2	"	S by E	4	30.11	68	65	64	66	"	"	2	"	
8	5	5	"	"	4	30.12	68	65	64	66	"	"	4	"	
9	6	5	"	SSE	4	30.13	68	65	64	66	"	"	4	"	
10	6	5	"	"	4	30.15	67	65	64	66	"	"	6	"	
11	6	5	"	"	4	30.15	67	65	64	66	"	"	4	"	Same
Mid.	6	5	"	"	4	30.15	67	64	63	66	"	"	4	"	

[Note in left margin reads at 8 PM " S 22° 09' E 2°50' "]

Longitude by Chronometer from Afternoon Observations ⊕

Longitude by Chronometer Observations

Variation of the Compass by Amplitude

Variation of the Compass by

observed at Sunset

at

under the command of Commander W. Scott Schley, U. S. Navy.
Monday November 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Stiff breeze from S.S.E. Heavy swell from S. Rolling deeply. Ship on course NNW. Density 26.

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy and pleasant Stiff breeze from S.S.E. Bar[ometer] rising Sea moderate Long heavy swell from S.S.E. Ship rolling deeply at times At 5.15 started fires in two boilers Density 26.

L. P. Jerrett
Master

From 8 to Merid. Cloudy Pleasant. Stiff breeze from S.S.E. Barometer rising slowly Sea moderate Considerable swell from S. and E. Density sea water 26. Steam in two boilers.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Warm. Moderate SSE breeze Cir Cum clouds. By order of Comdr. the following men were rated to fill existing vacancies Frank Maguire (Qr. Mr) to (S.W) Jas. Johnson (Sea) to (Or. Mr.) Wm S. Kieling (Lds) to seaman Long swell from S.E. At 2 changed course to N by W 3/4 W. Fires banked in two boilers Distilling. Density 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy and pleasant Gentle to moderate breeze from SSE. Long swell from S. and E. Fires banked in two boilers. Distilling. Density 26.

C. K. Curtis
Lieut

From 6 to 8 P.M. Cloudy and pleasant Moderate breeze from S by E. Barometer rising slowly. Sea moderate Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jerrett
Master

From 8 PM to Mid. Partially cloudy. Pleasant. Barometer rising slowly. Moderate breeze from S.S.E. Sea moderate setting to S. and W. At 9.15 sighted a vessel's green light ahead Moon rose at 8.05 Fires banked in two boilers. Distilling. Density sea water 26

Sam. C. Lemly
Ensign

Moon's phase 3rd qr Dec. N. 26°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town South Africa to St. Helena Island.

Hour.	Knots.	Fathoms. TENTHS Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	6	4	N by W 1/4 W	SSE	6		30.11	66	64	63	66	bc	Cir Cum	4	L	All square sail
2	7	4	"	"	6		30.10	66	64	63	66	"	"	5	"	except mainsail
3	7	6	"	"	6		30.08	66	64	63	66	"	"	6	"	
4	7	6	"	"	6		30.08	66	64	63	66	"	"	4	"	
5	7	2	"	"	5		30.08	66	64	63	66	"	"	2	"	
6	6	2	"	"	4-5		30.10	66	64	63	66	"	"	2	"	
7	5	0	"	"	3-4		30.14	66	64	64	66	"	"	2	"	Hoisted jib
8	4	4	"	"	3-4		30.15	66	64	64	66	"	"	2	"	Hauled down jib
9	4	6	"	SE	4		30.15	67	66	64	66	o	"	0	"	
10	4	6	"	"	4		30.15	67	66	66	67	"	"	0	"	All plain square sail
11	4	8	"	SSE	4		30.15	67	67	66	67	"	"	0	"	except mainsail
Noon	4	5	"	"	3		30.15	67	67	66	67	"	"	0	"	

Distance run by Log since preceding Noon

138 knots

Tenths
fathoms.

Latitude by D. R. at Noon

S 21 ° 35 ' "

Longitude by D. R. at Noon

E 1 ° 34 ' "

Latitude by Observations at Noon ⊕

S 21 ° 32 ' 44 "

Longitude by Chronometer from Forenoon Observations ⊕

E 1 ° 35 ' "

Current during the time knots
Tenths
fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise

° " "

[Note in left margin reads "Sq 1328"]

Variation of the Compass by Azimuth ⊕ observed at 8.20 AM Lat 21°44' S Long 1°48' E

W 27 ° 15 " "

Water expended during the preceding 24 hours

350 gallons

Water Condensed during the preceding 24 hours

700 "

Water remaining on hand fit for use at noon

1100 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P,M

1	3	5 0	w by n 3/4 w NNW	sse	3		30.13	68	70	68	67	o	Cir Cum	0	M	
2	4	0	"	"	3-4		30.12	68	70	68	68	bc	"	1	"	
3	4	5	"	"	3-4		30.11	68	69	67	68	"	"	1	"	
4	5	0	"	"	4		30.10	68	68	66	68	"	"	1	"	
5	5	4	"	S	4		30.10	68	68	66	68	"	"	2	"	Set jib
6	5	4	"	"	4		30.10	68	67	65	68	"	"	2	"	
7	5	0	"	ssw	4		30.09	68	66	65	66	"	"	1	"	
8	5	0	"	SW	4		30.12	68	66	65	66	"	"	2	"	Set spanker
9	6	6	"	"	4-5		30.12	68	65	64	66	o	"	0	"	
10	6	5	"	ssw	5		30.12	68	65	64	66	"	"	0	"	All plain square
11	6	5	"	"	5		30.12	68	65	64	66	"	"	0	"	sail except mainsail
Mid.	6	0	"	S	5		30.12	68	65	64	66	"	"	0	"	with jib

[Note in left margin at 8 PM reads " S 21°9' E 1° 3' "]

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

° ' "

Variation of the Compass by Amplitude

observed at Sunset

° ' "

Variation of the Compass by

at

° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday November 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy Cool Fresh SSE breeze Cir Cum clouds Bright moonlight
Long ~~xxx~~ swell from S. and E. Ship under all square sail except mainsail On course. Fires
banked in two boilers Av[erage] pr[essure] 25 lbs. Distilling Density sea water 27.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Stiff to gentle breeze from S.S.E. Cir Cum clouds Stead
swell from S. and E. On course Fires banked in two boilers. Density 27. At 7.35 set jib At 7.45
hauled down jib

C. K. Curtis
Lieut

From 8 to Merid. Overcast and pleasant. Gentle to moderate breeze from SE and SSE. Long
swell from S. and E. At 9.15 inspected at quarters At 11.50 hauled down jib. Fires banked in two
boilers. Distilling Density sea water 26

L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy and pleasant. Gentle to moderate breeze from SSE. Barometer
falling slowly. Sea moderate At 12.10 changed course to NNW. Fires banked in two boilers
Distilling Density sea water 25. Watch at work scraping and oiling blocks.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy and pleasant Moderate S[outher]ly breeze Cir Cum clouds At 5 set jib
Ship under all plain square sail and jib On course Long swell from ~~SE~~ S.S.E. Fires banked in
two boilers Distilling Density sea water 26.

C S Bruns
Midn

From 6 to 8 P.M. Cloudy and pleasant Moderate breeze from S.S.W. shifting to S.W. At sunset
mustered at quarters At 7.45 set spanker Density sea water 26 On course N.N.W. Fires banked
in two boilers Distilling

C. K. Curtis
Lieut

From 8 PM to Mid. Overcast and pleasant. Stiff breeze from SW to S. Long swell from S. At
9.30 hauled up spanker. Fires banked in two boilers Distilling Density sea water 27.

L. P. Jerrett
Master

Moon's phase 3rd qr Dec. N. 27°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town South Africa to St Helena Island

Hour.	Knots. TENTHS Fathoms		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M															
1	5	6	NNW	S by E	4	30.12	67	65	64	66	b	Cir Cum	0	M	Plain sail to royals
2	6	0	"	SSE	4	30.10	67	65	64	66	"	"	0	"	except mainsail
3	5	8	"	"	4	30.09	67	65	64	66	"	"	0	"	spanker and flying
4	5	5	"	"	4	30.08	67	65	64	66	"	"	0	"	jib
5	5	6	"	"	4	30.09	67	65	64	66	"	"	0	"	
6	5	6	"	"	4	30.10	67	65	65	66	"	"	0	"	Hauled down jib
7	5	4	"	"	4	30.12	67	65	65	66	"	"	0	O	
8	5	2	"	"	4	30.13	67	66	65	66	"	"	0	"	
9	4	5	"	"	4	30.13	67	66	65	66	"	"	0	"	
10	4	4	"	SE by E	4	30.14	67	66	65	66	"	"	0	"	Set jib and spanker took fore T G sail and royal jib
11	4	0	"	SE	3	30.14	67	67	66	67	bc	"	1	"	
Noon	3	5	"	"	3	30.13	68	69	67	67	"	"	3	"	Fore T G sail and royal

[Notes in left margin reads at 2 AM "Sg 1328" and at 8 PM " Lat S 20°21' Long 0°0' "]

Distance run by Log since preceding Noon	124 knots	0	Tenths fathoms.	
Latitude by D. R. at Noon	S 20 °	13	'	44 "
Longitude by D. R. at Noon	W 0 °	7	'	"
Latitude by Observations at Noon ⊕	S 20 °	10	'	35 "
Longitude by Chronometer from Forenoon Observations ⊕	W 0 °	14	'	"
Current during the time	0 knots	3	Tenths fms. per hour, setting to the	W.N.W.
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at		°	"	"
Water expended during the preceding 24 hours				200 gallons
Water during the preceding 24 hours				750 "
Water remaining on hand fit for use at noon				1600 "
Coal consumed during the preceding 24 hours		tons		lbs.
Coal remaining on hand at Noon		"		"

[note in left margin reads "Sg. 633"]

P,M															
1	2	5	NNW	"	1	30.12	70	72	69	67	bc	Cir Cum	2	L	
2	2	4	"	"	2	30.10	70	73	72	67	"	"	5	"	
3	2	5	"	"	2	30.09	70	73	71	68	"	"	1	"	
4	2	5	"	SSE	2	30.09	70	70	68	68	"	"	1	"	
5	3	5	"	S x E	3	30.09	69	69	67	67	"	"	2	"	
6	3	2	"	"	3	30.09	69	68	67	67	"	"	2	"	
7	3	6	"	"	3	30.10	68	67	66	67	"	"	3	"	
8	4	3	"	S by W	3-4	30.11	68	66	65	67	"	"	6	"	Set spanker
9	4	2	"	"	3	30.11	68	67	65	67	"	"	4	"	All square sail
10	4	6	"	S	4	30.12	68	67	65	67	"	"	1	"	except mainsail
11	5	0	"	"	4	30.12	68	67	63	67	o	"	0	"	jib and spanker
Mid.	4	8	"	SSE	4	30.12	68	60	63	67	"	"	0	"	

[3 notes in left margin: At 5 PM "S 20°0' W 0° 20' "; at 8 PM "S 19° 30' E 0° 33' "; at 11 PM "Sg. 642"]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday Nov 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant Moderate breeze from S by E and SSE
Bar[ometer] falling slowly. Sea moderate Fires banked in two boilers Distilling Density 26.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and pleasant Moderate breeze from SSE Cir Nimb clouds At 6
hailed down jib Under all square sail except mainsail On coarse [course] Density 26. Fires
banked in two boilers Av[erage] St[eam] pr[essure] 25 lbs Distilling

C S Bruns
Midn

From 8 to Merid. Overcast first two hours Cloudy last two. Pleasant Moderate to gentle breeze
[unreadable] from SSE to S by E On course NNW. At 9.40 set jib and spanker At 10.15 took in
fore T G and royal sent down yards and bent new T G sails At 11.40 crossed yards and set
sails At 9.15 inspected at quarters Instructed 1st and 2nd Div at stations Fires banked in two
boilers Distilling Density 27.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy and pleasant Gentle breeze from SE and SSE Bar falling slowly
Long swell from S. At 3 sent down main T G and royal yards and bent all sails Fires banked in
two boilers Distilling Density 26.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy and pleasant Light breeze from S by E. Bar steady Long swell from S.
Crossed main topgallant and royal yards and set sails Fires banked in two boilers Distilling
Density sea water 26

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Clear. Pleasant. Gentle breeze from S. by E. shifting to S by W. Cir Cum
clouds. At sunset mustered at quarters At 7 set spanker Ship on course under all square sail
except mainsail Fires banked in two boilers Av steam pr 25 lbs Distilling Density sea water 26

C S Bruns
Midn

From 8 PM to Mid. Cloudy and pleasant Moderate breeze from S by W. Shifting to SSE. On
course NNW Fires banked in two boilers Distilling Density sea water 26.

C. K. Curtis
Lieut

Moon's phase 3rd qr Dec. N. 26 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town to St Helena Island

Hour.	WINDS.						BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Swathes, TENTHS Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	4	0	NNW	South	3		30.12	68	65	64	67	o	Cir Cum	0	L	Jib spanker and
2	4	8	"	"	3		30.12	68	65	64	67	"	"	0	"	all plain square
3	5	3	"	"	4		30.12	68	65	64	67	"	"	0	"	sail except mainsail
4	5	0	"	"	4		30.12	68	65	64	67	"	"	0	"	
5	5	2	"	S by E	4		30.12	67	66	64	67	bc	"	1	M	
6	5	2	"	"	3-4		30.12	67	66	65	67	"	"	1	"	Took in
7	4	6	"	SE	4		30.12	67	66	65	67	"	"	1	"	spanker
8	4	6	"	SSE	4		30.13	67	66	64	67	"	"	1	"	
9	5	0	"	"	4		30.15	67	67	65	67	"	"	1	"	
10	5	0	"	"	4		30.15	67	68	66	67	"	"	1	"	
11	4	4	"	"	4		30.15	68	70	68	67	"	"	1	"	Hauled down jib
Noon	4	8	"	"	4		30.15	68	70	68	67	"	"	1	"	

[Note in left margin at 8 AM reads "S 19° 15' W 1° 26' "]

Distance run by Log since preceding Noon	101 knots	4	Tenths fathoms.	
Latitude by D. R. at Noon	S 19 °	2	'	29 "
Longitude by D. R. at Noon	W 1 °	33	'	30 "
Latitude by Observations at Noon ⊕			'	"
Longitude by Chronometer from Forenoon Observations ⊕	W 1 °	41	'	"
Current during the time	knots			
				Tenths fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise			"	"
Variation of the Compass by Azimuth ⊕ observed at 9.33 AM Lat S 19° 10' Long W 1° 31	W 25 °	33	"	"
Water expended during the preceding 24 hours				250 gallons
Water Condensed during the preceding 24 hours				750 "
Water remaining on hand fit for use at noon				2100 "
Coal consumed during the preceding 24 hours			tons	lbs.
Coal remaining on hand at Noon			"	"

[Note in left margin "Sg 642"]

P,M																
1	4	8	NNW	SE	4		30.12	69	71	69	67	o	Cir Cum	0	M	
2	4	2	"	"	3		30.10	69	72	70	67	"	"	0	"	Took in foresails
3	3	6	"	"	3		30.10	69	72	70	67	bc	"	1	"	Set foresail
4	4	0	"	"	3		30.10	69	71	70	67	"	"	2	"	
5	4	0	"	"	3		30.08	69	71	69	67	"	"	1	"	All plain square sail
6	4	2	"	"	3		30.08	69	70	69	67	"	"	1	"	Except mainsail
7	4	2	"	"	3		30.10	69	69	67	67	"	"	1	"	
8	4	2	"	SE	3		30.12	69	68	66	67	"	"	1	"	
9	4	4	"	SSE	3		30.13	69	68	66	67	"	"	1	"	Set spanker and jib
10	4	9	"	"	4		30.13	69	68	66	66	"	"	1	"	Took in spanker
11	4	6	"	"	4		30.14	69	67	66	66	"	"	0	"	
Mid.	4	6	"	"	4		30.14	69	67	66	66	"	"	0	"	

[Note in left margin at 8 PM reads " S 18° 40' W 2° 1' "]

Longitude by Chronometer from Afternoon Observations ⊕			'	"
Longitude by Chronometer Observations			'	"
Variation of the Compass by Amplitude			'	"
Variation of the Compass by			'	"
				observed at Sunset
				at

under the command of Commander W. Scott Schley, U. S. Navy.
Thursday November 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant. Gentle to moderate breeze from S. Bar[ometer] steady Long swell from S.S.E. Fires banked in two boilers Distilling Density sea water 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy and pleasant Moderate breeze from S by E and SSE. Bar. rising slowly. Sea moderate Fires banked in two boilers Distilling Density sea water 26. At 6.30 took in spanker

Sam. C. Lemly
Ensign

From 8 to Merid. Cloudy Cool Pleasant Moderate breeze from S.S.E. Cir Cum clouds At 9.15 inspected at quarters Exercised Company B at single sticks At 10.30 hauled down jib Ship under all square sail except mainsail Fires banked in two boilers Av steam pr 30 lbs. Distilling Density sea water 26.

C S Bruns
Midn

From Merid. to 4 P.M. Cloudy. Pleasant Gentle breeze from S.E. ship on course NNW. Shifted jib and foresail sighted a ship on starboard bow Fires banked in two boilers Distilling Density 26

C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy and pleasant Gentle breeze from S.E. Long swell from S. One sail in sight on starboard bow Ship on course N.N.W. under all plain square sail except mainsail Fires banked in two boilers Distilling Density 26.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy and pleasant Gentle breeze from S.S.E. Bar rising. Sea moderate. At sundown mustered at quarters One sail in sight at dark bearing N. by E. Distant 6 miles Fires banked in two boilers. Distilling Density 26.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy Pleasant Moderate SSE breeze Cir Cum clouds At 8.30 set jib and spanker At 8.50 took in spanker. Ship on course under jib and all square sail except mainsail Fires banked in two boilers Av steam pr 25 lbs Distilling Density sea water 25.

C S Bruns
Midn

Moon's phase 3rd qr Dec. N. 24°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Cape Town to St Helena Island

Hour.			WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A,M																
1	4	7	NNW	SE	3		30.12	68	67	66	66	o	Cum Nimb	0	L	Jib and all square
2	5	5	"	"	4		30.12	68	67	66	66	"	"	0	"	sail except
3	5	4	"	SE by S	4		30.09	68	67	66	66	"	"	0	"	mainsail
4	5	5	"	"	4		30.09	68	66	65	66	"	"	0	"	
5	5	6	"	"	4		30.09	68	66	65	66	"	"	0	"	
6	4	8	"	"	4		30.09	68	66	65	66	"	"	0	"	
7	5	4	"	"	4		30.10	68	66	65	66	"	"	0	"	
8	5	3	"	"	4		30.14	68	66	65	66	"	"	0	"	
9	5	3	"	"	4		30.16	68	67	66	66	"	"	0	M	All plain sail except
10	5	4	"	"	4		30.16	68	68	67	67	opd	"	0	"	F jib spanker and
11	5	2	"	"	4		30.16	68	69	67	67	bcpd	"	1	"	starboard clew of
Noon	5	2	"	"	4-5		30.16	68	69	67	67	bcqd	"	2	"	mainsail

[Note in left margin reads "S17° 46' W 10° 6'"]

Distance run by Log since preceding Noon	114 knots	Tenths 5	fathoms.	
Latitude by D. R. at Noon	S 17 °	45	'	35 "
Longitude by D. R. at Noon	W 3 °	10	'	"
Latitude by Observations at Noon ⊕	S 17 °	35	'	24 "
Longitude by Chronometer from Forenoon Observations ⊕	W 3 °	18	'	"
Current during the time 0 knots 4 Tenths fms. per hour, setting to the	N.W. by W			[note in left margin reads "Sq. 642"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"		"
Variation of the Compass by Azimuth ⊕ observed at	o	"		"
Water expended during the preceding 24 hours		250	gallons	
Water Condensed during the preceding 24 hours		950	"	
Water remaining on hand fit for use at noon		2800	"	
Coal consumed during the preceding 24 hours	tons		lbs.	
Coal remaining on hand at Noon	"		"	

P,M															Set spanker flying jib	
1	3	8	NNW	SE by S	3-4		30.14	67	69	68	67	bc	"	5	S	And gaff topsail
2	3	8	"	"	3-4		30.12	67	69	68	67	"	"	6	"	
3	4	4	"	"	4		30.14	67	69	68	67	"	"	7	"	
4	5	4	"	"	4		30.10	67	69	68	67	"	"	7	"	
5	5	2	"	"	3-4		30.09	67	67	67	67	"	Cir Cum	4	"	Plain sail except
6	4	4	"	SE	4		30.09	67	68	67	67	"	"	3	"	F T M stay sail
7	4	2	"	"	3		30.09	67	67	66	67	o	Cum Nimb	0	"	
8	3	5	"	"	3		30.09	67	67	66	67	or	"	0	"	
9	4	8	"	SE by S	4		30.14	68	68	66	67	o	"	0	"	
10	5	7	"	"	4		30.15	68	67	66	66	"	"	0	"	
11	5	6	"	"	4		30.15	68	67	66	66	"	"	0	"	
Mid.	5	8	"	"	4		30.15	68	67	66	66	"	"	0	"	

[Note in left margin reads "S 17°12' W 3° 47' "]

Longitude by Chronometer from Afternoon Observations ⊕	o	'	"
Longitude by Chronometer Observations	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by Azimuth at 4 P.M.	W 20	45	'

Same

under the command of Commander W. Scott Schley, U. S. Navy.
Friday November 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant Moderate breeze from SE and SE by S. On course NNW. Long swell from S. Fires banked in two boilers. Distilling. Density sea water 26.

C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast and pleasant Moderate breeze from SE by S. Long swell from S. At daylight sighted a sail one point on starboard bow Fires banked in two boilers Distilling Density 26.

L. P. Jerrett
Master

From 8 to Merid. Cloudy Pleasant Moderate breeze from S.E. by S. Light rain squalls latter part of Bar. steady. Sea moderate At 8.30 stopped distilling At 9.15 exercised at fire quarters At 9.30 banked fires Took in stbd. clew of mainsail One sail in sight at end of watch bearing NW by N distant about 2 miles. Density sea water 26 Scraped and slushed down spars.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear Moderate SE breeze Cir Cum clouds At 12.15 set spanker flying jib and gaff topsail and weather clew of mainsail All plain sail except fore topmast staysail Full rigged ship in sight 2 pts on lee bow distant 5 miles Density sea water 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy and pleasant Gentle to moderate breeze from SE. On course NNW. Got up and beat both bower chains At 5.45 went to quarters and served out clean hammocks Ship in sight 3 pts on lee bow Density sea water 26.

C S Bruns
Midn

From 6 to 8 P.M. Overcast and pleasant Gentle breeze from SE light sprinkling of rain latter part of watch At dark lost sight of a ship 3 pt on starboard bow. Density sea water 25.

C. K. Curtis
Lieut

From 8 PM to Mid. Cloudy. Pleasant Moderate breeze from SE by S. Sea smooth Ship under all square sail Density sea 26

L. P. Jerrett
Master

Moon's phase 3rd qr Dec. N. 20°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Jamestown St Helena Island

Hour.			Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	5	5	NNW	SSE	4		30.13	67	67	66	66	o	Cir Cum	0	S	All plain sail except
2	4	7	"	"	3-4		30.11	67	67	66	66	"	"	0	"	F T M staysail
3	4	6	"	"	3-4		30.10	67	67	66	66	"	"	0	"	Took in gaff topmast
4	5	2	"	"	4		30.10	67	67	66	66	"	"	0	"	A clew of mainsail
5	4	8	"	"	3-4		30.10	68	68	67	66	"	"	0	"	Jib and all square
6	5	3	"	SE	4-5		30.10	68	68	67	66	"	Cir Cum Nimb	0	"	sail except a clew
7	6	2	"	"	5		30.13	68	67	68	68	"	"	0	"	Of mainsail
8	6	0	"	SSE	5		30.14	67	68	67	68	"	"	0	"	
9	5	8	"	SE	4		30.15	67	68	67	68	"	"	0	"	
10	3 1	3 1	nnw 1/4 w	"	4		30.15	67	68	67	68	"	"	0	"	Set spanker f jib
11	6	7	"	se by s	5		30.15	67	69	68	68	"	"	0	"	gaff topsail and
Noon	6	6	"	"	5		30.15	67	69	68	68	"	"	0	"	[?] clew of mainsail

[Notes in left margin reads: At 5 AM "Sg. 642"; at 11 AM "S 16° 15' W 5° 0'"]

Distance run by Log since preceding Noon	124 knots	Tenths	4	fathoms.
Latitude by D. R. at Noon	S 16 °	11	'	"
Longitude by D. R. at Noon	W 4 °	54	'	"
Latitude by Observations at Noon ☉	S 16 °	11	'	"
Longitude by Chronometer from Forenoon Observations ☉	W 5 °	05	'	"
Current during the time 0 knots 4	Tenths	4	per hour, setting to the	West
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"	
Variation of the Compass by Azimuth ☉ observed at	°	"	"	
Water expended during the preceding 24 hours		350	gallons	
Water during the preceding 24 hours		"		
Water remaining on hand fit for use at noon		2450	"	
Coal consumed during the preceding 24 hours	tons	lbs.		
Coal remaining on hand at Noon	"	"		

P.M																
1	2 3	8 2	nnw 1/4 w nnw 1/2 w	se by s	5		30.14	66	70	68	68	o	"	0	S	Plain sail ex m sail
2	5	0	"	"	4		30.12	69	70	68	68	"	"	0	"	Spanker & F T Staysail
3	6	2	"	"	4		30.12	69	70	69	68	"	"	0	"	And steam
4	8	4	"	"	4		30.10	68	71	69	68	"	"	0	"	
5	7	5	"	"	4		30.09	68	71	70	68	"	"	4	"	Took in and furled
6	Standing in for Jamestown			S	5		30.09	68	71	70		"	"	6	"	All sail Steam
7	At anchor	ESE	S	3-4			30.10	68	70	68		"	"	0	"	
8	"	SE	SSE	3-5			30.12	69	66	67		bc	"	2	"	
9	"	"	"	3-5			30.12	69	66	67		"	"	6	"	
10	"	SE by E	"	3-5			30.14	69	66	67		"	"	1	"	
11	"	SE	SE	3-5			30.14	68	69	66		"	"	1	"	
Mid.	"	"	SSE	3-6			30.14	68	69	66		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ☉	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Saturday November 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast Pleasant Gentle to moderate breeze from S.S.E. Cir. Cum. clouds Obscured moonlight. At 1.30 set spanker gaff topsail and F. job and hauled ~~down~~ up weather clew of mainsail. Ship on course under all square sail except weather clew of mainsail Density 26

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Overcast and pleasant Moderate to stiff breeze from SSE and SE. Ship on course NNW Full rigged ship in sight abaft port bream Density sea water 26 Bar rising.

C. B. T. Moore
Ensign

From 8 to Merid. Overcast and pleasant Moderate to stiff breeze from SE and SE by S. At 9.35 sighted highland 1/4 points lee bow. At 9.50 changed course to SSW 1/4 W. At 10 mustered at quarters turned clean hammocks A full rigged ship in sight [unreadable] abaft lee beam. Density 26 At 9.40 set f jib gaff topsail spanker weather clew of mainsail At 12 western end of St Helena ~~Island~~ bore WNW 1/2 W.

C S Bruns
Midn

From Merid. to 4 P.M. Cloudy and pleasant Moderate breeze from SE by S. Bar rising Sea smooth At 12.20 changed course to NNW 1/2 W. At 12.30 took in and furled mainsail set main trysail At 12.45 started fires in 4 boiler At 2 took in main try sail At 2.30 coupled propeller and commenced steaming Took in spanker At end of watch Bar lower St Helena bore (PC) SW 1/2 S. One sail in sight on lee quarter Av steam pr 55 lbs Density 26.

C. K. Curtis
Lieut.

From 4 to 6 P.M. Pleasant Moderate breeze from S.E. Steaming into Jamestown. At 4.50 took in light sails and foresail At 5 shortened sail Steaming under 4 boilers Av str pr [blank] lbs

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy. Pleasant. Moderate breeze from S.E. by S. blowing in gusts. At 6.15 came to anchor in [unreadable] water with port anchor 45 fms [fathoms] chain. Being too close to a barge hove up port anchor and shifted berth. At 7 let go port anchor in 19 3/4 fms water 45 fms chain Bearings Sugar Loaf E 1/4 N [unreadable] Hill S.S.W. Draught for'd 13 ft 7 in Amidships 14 ft 8 1/2 in Aft 15 ft 10 in. At 7.55 hauled fires At sundown sent down light yards unbent light sails

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy and pleasant Cum Nimb clouds Gentle breeze blowing fresh in puffs from SE and SSE. At 10 veered to 60 fms on port chain

C. B. T. Moore
Ensign

Moon's phase 3rd qr Dec. N. 16°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.				
A,M														
1			ESE	SE	3-6	30.12	68	68	67		bc	Cum Nimb	2	S
2			SE	"	3-5	30.11	68	68	67		"	"	1	"
3			SE by E	"	3-6	30.10	68	68	67		op	"	0	"
4			ESE	"	3-5	30.10	68	68	67		"	"	0	"
5			S 1/2 E	SSE	3-4	30.10	68	68	67		"	"	0	"
6			E 1/2 S	"	3-4	30.12	68	68	66		bc	"	1	"
7			ESE	ESE	3-4	30.14	68	68	66		"	"	1	"
8			SE	SE	3-4	30.15	68	69	67		"	"	1	"
9			"	SE by E	3-4	30.15	68	70	67		"	"	1	"
10			ESE	"	3-4	30.16	69	71	68		"	"	1	"
11			SE by E	SE	3-5	30.17	70	73	69		"	"	1	"
Noon			SE	SE by S	3-5	30.16	70	72	69		"	"	1	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	" "
Longitude by D. R. at Noon	°	" "
Latitude by Observations at Noon ☉	°	" "
Longitude by Chronometer from Forenoon Observations ☉	°	" "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ☉ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons
Water		"
during the preceding 24 hours		"
Water remaining on hand fit for use at noon		2050 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M											
1	SSE	SE	3-5	30.16	70	72	69	bc	Cum	8	S
2	SE by S	"	3-5	30.13	71	73	68	"	"	8	"
3	S	S	3-5	30.12	71	73	69	"	"	3	"
4	SSE	"	3-4	30.12	71	72	69	"	"	3	"
5	"	"	3-4	30.12	72	72	69	"	"	4	"
6	"	SSE	3-4	30.12	72	71	67	"	"	3	"
7	S by E	"	3-5	30.12	72	69	66	"	"	1	"
8	SSE	"	3-5	30.12	71	68	66	"	"	5	"
9	"	"	3-5	30.13	70	69	67	"	"	3	"
10	SE by S	SE by S	3-5	30.14	70	69	67	"	"	3	"
11	"	"	3-5	30.14	70	68	67	"	"	3	"
Mid.	SSE	SSE	3-5	30.13	70	68	67	"	"	3	"

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations	0	'	"
Variation of the Compass by Amplitude	0	'	"
observed at Sunset			
Variation of the Compass by	0	'	"
at			

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday November 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy first two hours Overcast last two with light sprinkling rain
Light to fresh breeze from SE blowing in gusts Obscured moonlight

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Pleasant gentle to moderate breeze with occasional gusts from ESE to SE.
Bar[ometer] rising Sea smooth Rigged out boats and prepared ship for port. Generally shook
reef out of mainsail and refurled it. English full rigged ship came in and and [sic] anchored

C S Bruns
Midn

From 8 to Merid. Cloudy and pleasant Gentle breeze blowing stiff in puffs from SE by E & SE by
S. At 10 Comdg Officer inspected ship and crew at quarters. Afterwards read prayers Sent
liberty party on shore American Consul paid a visit to Comdr.

C. B. T. Moore
Ensign

Merid. to 4 P.M Clear first part Cloudy last half of watch Pleasant Moderate breeze with frequent
gusts from SE and S. Bar falling Sea smooth.

C S Bruns
Midn

From 4 to 8 P.M. Cloudy and pleasant Light breeze stiff in puffs from S. to ~~SE~~ SSE. Sea
smooth.

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy. Moderate breeze with stiff gusts from S.E. by S. and S.S.E. Bar
steady Sea smooth.

C S Bruns
Midn

Moon's phase 4th qr Dec. N. 10 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Jamestown St Helena

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A,M															
1			SE by S	SE	3-5		30.12	68	67	66		bc	Cum Nimb	8	S
2			SE	"	3-5		30.12	68	67	66		"	"	7	"
3			"	"	3-5		30.12	68	67	66		"	"	1	"
4			"	"	2-4		30.10	68	67	66		"	"	1	"
5			SE	SSE	2-4		30.10	68	67	66		"	"	2	"
6			"	"	2-4		30.10	69	68	67		"	"	2	"
7			SSE	"	2-4		30.11	69	68	67		"	"	3	"
8			"	"	3-4		30.13	68	68	67		"	"	2	"
9			SE	SE	3-4		30.14	68	68	66		"	"	2	"
10			"	"	3-4		30.14	68	69	67		"	"	2	"
11			"	"	3-4		30.14	68	69	67		"	"	1	"
Noon			"	"	3-4		30.12	69	71	68		"	"	0	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 300 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1750 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M															
1			SSE	SE	3-4		30.10	69	71	69		bc	Cum Nimb	1	S
2			"	"	3-4		30.08	69	70	69		"	"	1	"
3			"	"	3-4		30.07	69	70	69		bcp	"	1	"
4			"	"	3-4		30.07	69	70	69		"	"	3	"
5			"	"	3-4		30.07	69	70	68		bc	"	2	"
6			"	"	3-4		30.07	69	68	67		bcp	"	2	"
7			"	"	3-4		30.09	69	68	66		"	"	2	"
8			"	"	3-4		30.10	69	68	66		orp	"	0	"
9			"	"	3-4		30.10	68	68	66		bc	"	1	"
10			"	"	3-4		30.10	68	68	66		"	"	2	"
11			ESE	"	4-6		30.10	67	67	66		"	"	1	"
Mid.			SE	"	4-6		30.10	67	67	66		"	"	3	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Monday November 14th [sic 18th], 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Gentle to stiff breeze from S.E. Sea smooth.
Bar[ometer] falling Clouds passing rapidly to SW.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Light to moderate breeze from S.S.E. Cum Nimb clouds.
A German and English barque came in and anchored. At 8 crossed royal and top gallant yards.
Received on board fresh beef and vegetables for crew.

C. K. Curtis
Lieut

From 8 to Merid. Cloudy and pleasant. Gentle to moderate breeze from S.E. Bar falling Sea
smooth. At 9 called all hands and shifted topsails. Crew engaged in overhauling blocks. The
Comdt of her Majestys forces at St Helena called on Comdg Officer officially.

C S Bruns
Midn

Merid. to 4 P.M. Cloudy. Pleasant. Light breeze from S.S.E. in gusts. Cum Nimb clouds. Light
passing showers last hour. Engaged in overhauling blocks.

C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy. Light passing rain. Gentle to moderate breeze with gusts from S.E.
Bar rising. Sea smooth. At 5.40 mustered at quarters and served out hammocks.

C S Bruns
Midn

From 8 PM to Mid. Cloudy. Cool. Moderate to fresh breeze from E. Cum Nimb clouds. Wind
blowing in gusts off the Island.

C. K. Curtis
Lieut

Moon's phase last qr Dec. N. 4 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Jamestown St Helena

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.				
A,M														
1			SE by E	SSE	3		30.07	67	66	66	opd	Cum Nimb	0	L
2			SSE	"	3-5		30.05	67	66	66	"	"	0	"
3			SE by S	SE	3-5		30.05	67	66	66	"	"	0	"
4			S	S	3-5		30.05	67	66	65	"	"	0	"
5			S by E	SE	3-5		30.07	67	66	65	o	"	0	"
6			SE	"	3-5		30.08	66	66	65	bc	"	2	"
7			SSE	SSE	3-4		30.09	66	66	66	"	"	3	"
8			"	SE	2-5		30.09	66	67	66	"	"	3	"
9			SE	"	2-5		30.10	67	68	67	bcd	"	3	"
10			"	"	2-5		30.10	67	68	67	"	"	3	"
11			"	"	2-5		30.10	67	68	67	"	"	3	"
Noon			"	"	2-5		30.08	68	68	67	"	"	3	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1500 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			SE by E	SE	2-5		30.05	69	69	67	bcd	Cum Nimb	2	S
2			SE	"	2-5		30.04	69	69	67	bc	"	2	"
3			"	"	2-5		30.03	69	70	67	"	"	2	"
4			"	"	2-5		30.03	69	70	67	"	"	1	"
5			S by W	"	2-5		30.04	68	68	67	"	"	1	"
6			S	"	2-5		30.04	68	68	67	"	"	2	"
7			"	"	2-5		30.04	68	67	66	"	"	2	"
8			SSE	"	3-4		30.04	68	67	66	"	"	1	"
9			"	"	3-5		30.06	68	67	66	opd	"	0	"
10			SE	"	3-5		30.06	68	67	66	"	"	0	"
11			SE by S	"	3-5		30.06	68	67	66	bc	"	3	"
Mid.			SE by E	"	3-5		30.06	68	67	67	"	"	1	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday November 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Squally. Passing rain Gentle to moderate breeze freshening in gusts from S.E. to S. Bar[ometer] falling slowly Sea smooth.

C S Bruns
Midn

From 4 to 8 A.M. Cloudy Pleasant Light to stiff breeze from SE and S.S.E. blowing in gusts Bar rising English British Consul and an English barque got underway and stood out

L. P. Jerrett
Master

From 8 to Merid. Cloudy. Drizzling rain. Light breeze from S.E. blowing in stiff gusts off the land. At 9.15 inspected at quarters By order of Comdg Officer F. P. Parragh (OS) placed in solitary confinement on bread and water for sleeping on lookout J. B. Stanly (O.S.) was placed in double irons to await trial by Court Martial for disobedience of orders and insolence to Officer of the deck.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy and drizzling rain first hour. Pleasant latter part Gentle breeze from S.E. with stiff puffs. Bar[ometer] falling slowly.

L. P. Jerrett
Master

From 4 to 8 P.M. Cloudy Light breeze from S.E. Cum Nimb clouds Mustered at quarters and turned in clean hammocks At sunset sent down light yards

C. K. Curtis
Lieut

From 8 PM to Mid. Overcast with light drizzling rain first two hours Cloudy last two hours Gentle to stiff breeze in puffs from SE Bar steady.

L. P. Jerrett
Master

Moon's phase last qr Dec. S. 2 °

Examined and found to be correct

Asa Walker
Lieut. & Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Jamestown St Helena

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.				
A,M														
1			SE	SE	2-5	30.05	67	68	67		bc	Cum Nimb	2	S
2			"	"	2-5	30.05	68	68	67		"	"	3	"
3			SE by E	"	2-5	30.05	68	68	67		"	"	3	"
4			"	"	2-5	30.10	68	68	67		"	"	4	"
5			"	"	2-5	30.10	68	68	66		"	"	4	"
6			ESE	"	2-5	30.07	68	67	66		"	"	3	"
7			"	"	2-5	30.05	68	67	66		"	"	2	"
8			"	"	2-5	30.07	68	67	66		"	"	2	"
9			SSE	"	3-5	30.08	68	69	67		"	"	2	"
10			SE	S	2-5	30.08	68	70	67		"	"	4	"
11			SE by S	SE	2-5	30.08	69	71	69		"	"	2	"
Noon			ESE	"	2-5	30.06	69	70	69		"	"	3	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1250 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			SE by E	SW	3-5		30.07	70	71	68		bc	Cum Nimb	3 S~
2			SE	S	2		30.05	70	71	68		"	"	2 "
3			"	"	2		30.02	70	71	68		"	"	1 "
4			SSE	"	2		30.02	70	72	69		"	"	1 "
5			SE	SE	2-4		30.02	70	68	67		"	"	3 "
6			S	"	2-5		30.02	70	68	67		"	"	3 "
7			SSW	"	3		30.03	69	68	67		"	"	1 "
8			S by W	"	2-3		30.03	69	68	67		"	"	1 "
9			SSE	"	2		30.05	69	69	67		"	"	7 "
10			"	"	2-4		30.06	69	67	66		"	"	8 "
11			"	S	2-4		30.06	68	67	66		"	"	8 "
Mid.			"	"	2-3		30.06	68	67	66		"	"	7 "

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Wednesday Nov 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy Cool Pleasant light breeze from SE blowing in stiff gusts off the land By order of Comdr W. C. Robinson stood mid watch for punishment

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy but pleasant Light to moderate breeze from S.E. blowing in gusts Received fresh beef and vegetables for crew.

Sam. C. Lemly
Ensign

From 8 to Merid. Cloudy and pleasant Light to stiff breeze from SE and S. blowing in puffs At 9.15 inspected at quarters Exercised 1st and 2nd Div at great guns Served out monthly money for crew

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy and pleasant. Light breeze from S.W. to South blowing stiff in puffs. Received in ~~Equip Dept~~ 1800 gals fresh water Sent a liberty party on shore.

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Cloudy and pleasant. Light to stiff breeze blowing in gusts from SE. By order of Comdr. released F. P. Parragh (AS) from confinement.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant Light breeze moderate in puffs from SE to South Bar steady.

Sam. C. Lemly
Ensign

Moon's phase last qr Dec. S. 9°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Jamestown Island of St Helena

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A,M															
1			ESE	SE	1-2		30.02	66	68	68		bc	Cir Cum	0	S
2			"	"	1-2		30.02	68	68	66		"	"	0	"
3			"	S	2		30.02	68	68	66		"	"	0	"
4			"	SE	2-3		30.01	67	68	66		"	"	1	"
5			SE	"	1-2		30.02	67	67	67		"	"	1	"
6			SSE	"	0-1		30.02	67	67	66		"	"	1	"
7			"	"	0-1		30.03	67	67	66		"	"	1	"
8			S by E	"	1-2		30.05	67	67	66		"	"	2	"
9			"	"	2		30.06	67	67	67		"	"	2	"
10			ESE	S	2		30.06	68	70	68		"	"	2	"
11			"	"	2		30.06	70	70	68		"	"	2	"
Noon			"	"	2		30.08	70	70	68		"	"	5	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	0	"
Longitude by D. R. at Noon	0	"
Latitude by Observations at Noon ⊕	0	"
Longitude by Chronometer from Forenoon Observations ⊕	0	"
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	0	"
Variation of the Compass by Azimuth ⊕ observed at	0	"
Water expended during the preceding 24 hours		250 gallons
Water during the preceding 24 hours		1800 "
Water remaining on hand fit for use at noon		2800 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1			W	SW	0-1		30.06	70	70	70		bc	Cum Nimb	6	S
2			WSW	"	1		30.05	70	70	70		"	"	6	"
3			ESE	"	0-1		30.04	70	70	70		"	"	6	"
4			"	"	2		30.04	71	71	71		"	"	7	"
5			"	"	2		30.05	71	70	70		"	"	3	"
6			S	S	2		30.04	71	70	68		"	"	4	"
7			"	"	2		30.03	71	71	68		"	"	6	"
8			"	SSE	1-2		30.03	71	71	68		"	"	3	"
9			SW	"	0-1		30.04	70	68	68		"	"	2	"
10			SSW	"	0-1		30.04	70	70	68		"	"	2	"
11			"	"	1-2		30.05	70	70	68		"	"	2	"
Mid.			"	"	1-2		30.05	70	70	68		"	"	2	"

Longitude by Chronometer from Afternoon Observations ⊕	0	"
Longitude by Chronometer Observations	0	"
Variation of the Compass by Amplitude observed at Sunset	0	"
Variation of the Compass by at	0	"

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, November 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Gentle to moderate breeze from S.E. & S.
By order of Comdr. Wm. C. Robinson (Lds) stood mid watch on quarter deck.

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy. Pleasant. Light to gentle breeze from S.E. Barometer rising Sea smooth

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy and pleasant. Gentle breeze from S.E. to South. At 9.15 inspected at quarters. Exercised as per routine. The following men absent over time John S. King, (Bmate) Jas. Brown, (C.T.G.) Char. Zeller, (OS) X. Fenck, (P.M.) F. Burkardt, (Lds) Wallin Carter, (1.C.F.) Jas. Gillespie, (C.[?]. [?].) Michael Wogan, (Cox) John McArdle, (1.C.F.) W. D Saddler, (1.C.F.) Maurice Clark, (C.&C.) and Jas. Shields (Sh. Cook)

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze from S.W. Barometer falling. Sea smooth. John L. King (Bmate) returned on board

C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy and pleasant. Light airs from S.W. & South. By order of Comdg. Officer placed Jas. Hackett (O.S. 2nd Cl) in double irons ~~for being drunk and disorderly~~ awaiting trial of Court Martial. Chas. Zeller (O.S.) and Michael Wogan (Cox) returned from liberty. ~~Bent light sails.~~ Enlisted Thomas Matthews (Lds) ~~for three years general service.~~ the cruise. Bent light sails.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy. Pleasant. Light to gentle breeze from S.S.E. Barometer rising slowly. Sea smooth.

C. B. T. Moore
Ensign

Moon's phase last qr Dec. S. 15°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Jamestown, Island of St. Helena

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			ESE	SSE	2		30.02	68	68	66		bc	Cir Cum	1 S
2			"	"	2		30.02	68	68	66		o	"	0 "
3			"	"	2		30.02	68	68	66		"	"	0 "
4			"	"	2		30.01	68	68	66		bc	"	1 "
5			SE	"	1-2		30.00	67	68	67		"	"	1 "
6			SSE	"	0-1		30.02	67	67	66		"	"	1 "
7			"	"	0-1		30.04	67	67	66		"	"	1 "
8			S by E	"	1-2		30.08	67	67	66		"	"	1 "
9			SSE	"	2		30.08	67	67	66		"	"	1 "
10			ESE	SSE	3		30.10	68	70	68		"	Cum Nimb	2 "
11			E by N	E by N	3		30.10	69	70	68		"	"	2 "
Noon			"	"	3		30.08	70	70	68		"	Cir Cum	5 "

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon o ' "

Longitude by D. R. at Noon o ' "

Latitude by Observations at Noon ⊕ o ' "

Longitude by Chronometer from Forenoon Observations ⊕ o ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise o " "

Variation of the Compass by Azimuth ⊕ observed at o " "

Water expended during the preceding 24 hours 350 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2450 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			W	WSW	2		30.08	70	70	68		bc	Cir Cum Nimb	5 S
2			WSW	"	1		30.06	70	70	68		"	"	5 "
3			ESE	SSE	0-1		30.06	71	70	68		"	"	5 "
4			SE	"	1-2		30.06	71	71	68		"	"	5 "
5			"	SE	1-2		30.05	71	71	68		"	"	5 "
6			"	"	1-2		30.04	71	71	68		"	"	5 "
7			S	S	1-2		30.03	71	71	68		"	"	5 "
8			"	"	1-2		30.03	71	71	68		"	"	5 "
9			SW	SSW	1-2		30.00	71	70	68		"	"	4 "
10			SSW	SSE	1-4		30.03	71	70	68		"	"	1 "
11			"	"	1-4		30.03	71	70	68		"	"	1 "
Mid.			"	"	1-4		30.05	71	70	68		"	"	1 "

Longitude by Chronometer from Afternoon Observations ⊕ o ' "

Longitude by Chronometer Observations o ' "

Variation of the Compass by Amplitude observed at Sunset o ' "

Variation of the Compass by at o ' "

under the command of Commander W. Scott Schley, U. S. Navy.
Friday Nov. 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant. Light breeze from S.S.E.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy. Cool. Light airs and calms. John McArdle (1.C.F.) returned on board. Received on board fresh beef and vegetables for crew. At 8 Crossed royal and top gallant yards.

C S Bruns
Midshipman

From 8 to Merid. Clear, cool and pleasant. Moderate breeze from S.S.E. to E by N. Mustered at quarters at 9.05. Henry Lawrence (1.C.F.) John G. Brown (P.M.) Thos. H Jones (Corpl. M.O) W. H. Keeting (Sea) and Wm. Walker (Sea.) absent without leave. By order of Comdr. Midn. W. G. Hannum was placed under suspension, for neglect of duty. Xavier Funk (P.M) returned on board.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Calm and pleasant. Variable breeze from W.S.W. to S.E. John G. Brown (P.M) Thos. H. Jones (Corpl. M.C.) Henry Lawrence I.C.F. and Walter Caster (1.C.F.) were brought on board by shore police. Jas. Brown (C.T.C.) returned on board.

C. K. Curtis
Lieut

From 4 to 8 P.M. Clear and pleasant. Light airs from S.E. Barometer falling slowly. Enlisted Thos. Buckley as Lds, General service, for cruise of the "Essex".

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy. Light breeze from S.S.E. blowing in moderate gusts from off shore. Cum Nim clouds.

C. K. Curtis
Lieut

Moon's phase last qr Dec. S. 20°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Jamestown Island off St. Helena, and at Sea

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M															
1			SE	SSE	1-2		30.03	68	68	66		bc	Cir Cum	8	S
2			"	"	1-2		30.02	68	68	66		"	"	8	"
3			SSE	"	1-2		30.03	68	68	66		"	"	6	"
4			"	"	1-2		30.03	68	68	66		"	"	6	"
5			SE by E	"	2-4		30.01	68	68	66		"	"	1	"
6			SSE	"	2-4		30.04	67	67	66		"	"	4	"
7			SE	"	2-4		30.06	67	67	66		"	"	3	"
8			S	"	2-4		30.06	67	69	68		"	"	5	"
9			"	"	2-3		30.08	69	70	69	69	"	"	5	"
10	3	5	NW by W	SE by S	2-3		30.08	69	71	69	69	"	"	2	"
11	1	5	WNW	SW by S	1-2		30.07	70	72	70	70	"	"	1	"
Noon	0	6	"	ENE	2		30.07	70	72	70	70	"	"	1	"

Distance run by Log since preceding Noon 5 knots Tenth 6 fathoms..

Latitude by D. R. at Noon S 15 ° 55 ' "

Longitude by D. R. at Noon W 5 ° 50 ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots tenths ~~fms.~~ per hour, setting to the [note in left margin reads" Sg. 641"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 350 gallons

Water received during the preceding 24 hours 800 "

Water remaining on hand fit for use at noon 2800 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M																
1	1	0	WNW	S	4	30.03	70	72	70	70	bc	Cum Nimb	4	S	Under all plain	
2	2	5	wnw 1/2 w		"	4	30.02	70	71	68	70	"	"	5	"	sail, single reefed
3	5	2	"		s by e	4	30.01	70	70	68	70	"	"	2	"	mainsail
4	5	0	"		"	4	30.00	70	70	68	70	"	"	2	"	
5	4	8	"		"	4	30.01	70	70	68	70	"	Cir Cum	6	"	Hauled down F topmast
6	5	0	"	"	4	30.00	70	70	68	70	"	"	8	"	staysail.	
7	5	0	"	"	4	30.01	68	68	67	70	"	"	7	"		
8	5	0	"	"	4	30.01	69	69	67	70	"	"	7	"		
9	5	6	"	"	4	30.02	70	68	67	70	"	"	6	"	All plain sail except	
10	5	5	"	"	4	30.05	70	68	67	70	f	"	0	"	F. topmast staysail	
11	5	7	"	S	4-5	30.07	70	68	67	70	"	"	0	"		
Mid.	6	7	"	"	4-5	30.07	70	68	66	70	"	"	0	"		

[Note in left margin reads, at 8 PM " S 16° 1' W 6° 30'"]

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Saturday November 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

[Editor's note: The following note was pasted to the log entry for November 23, 1878.]

At 8.45 M.H. Keeling and Wm Walker (Sea) were released from confinement in berth deck: By order of Comdr

By order of Comdg. Officer, the following punishments were awarded Wm. Walker (Sea) Leaving ship without permission. Sol. Con. Bread and water. Thos. G. Roberts, (O.S.) Chas. Beardsley (O.S.) John Hashagan (O.S.) and John Kallenbach (O.S. 2nd Cl.) for having late hammocks = 6 hours extra duty each. W.J. Linden (O.S.) for swearing on quarter deck: 24 hours extra duty. John Kenyon (O.S.) for being very slow coming aft to man boats = 12 hours extra duty Wm. Hardie (O.S.) for being drunk on duty = 72 hours extra duty. E.E. Barclay (O.S.) for being out of uniform = 6 hours extra duty.

Jas. Gillespie (C.H.G.) absent without leave = 48 hours extra duty. Michael Wogan (Cox) for overstaying leave and disobeying orders = 48 hours extra duty.

under the command of Commander W. S. Schley, U. S. Navy.
Saturday November 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S.S.E.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Light to moderate breeze from S.S.E. blowing in puffs. Engaged in making preparations for sea. Jas. Shields (Sh. Cook) W. D. Saddler (1C.F.) and Maurice Clark (C & C) was brought on board by police. W. H. Rich (Lds) W. C. Robinson (Lds) and Jas. Cook (C. Cook) returned on board overtime. At 6.15 W. H. Keeling (Sea) and Wm. Walker (Sea) was brought on board by police and by order of Comdr. was confined on berth deck. Received 800 gals. fresh water.

L. P. Jerrett
Master

From 8 to Merid. [Calm?] and pleasant. Light variable breeze. At 8.45 called all hands up anchor, hove anchor up and down. Made sail to topsails, hove up and made all plain sail. At 9 got underway and stood out from St. Helena. Draught forward 13 ft. 7 in. Amidships 14 ft. 3 1/2 in. Aft 15 ft. 10 1/2 in. At 8.50 signal station on Ladder Hill made Com. Code signal F. C. S. W. and B. R. D. Answered and made B. R. D. By order of Comdg. Officer W. H. Keeling ~~was~~ disrated from Sea. to Lds for leaving ship without permission ~~from this date inclusive~~, Michael Wogan was disrated from Cox. to Sea and Jas. Gillespie from C.A.G. to Sea. all from this date inclusive. At 10 changed course to W.N.W. Braced around several times as required by shifts of wind. On course W.N.W. render all plain sail. Cleaned anchors for sea, unbent chains, and paid them below. Density 25.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy and pleasant. Moderate breeze from the S. Cum. Nim. clouds. At 12.40 changed course to W.N.W. 1/2 W. At 1 took one reef in mainsail and set the sail. Ship under all plain sail, single reefed mainsail, on the course. Density sea water 25.

L. P. Jerrett
Master

From 4 to 6 P.M. Clear and pleasant. Moderate breeze from S.S.E. Sea smooth. Ship on course W.N.W. 1/2 W. At 5 hauled down fore topmast staysail. St Helena in sight between 1/2 and 2 points on port quarter.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Clear and pleasant. Moderate breeze from S.S.E. At sunset mustered at quarters. St. Helena bore one point on weather quarter.

C. B. T. Moore
Ensign

From 8 PM to Mid. Overcast and pleasant. Moderate to stiff breeze from S.S.E. & South. Barometer rising slowly. Sea smooth. Ship on course under all plain sail, except F topmast staysail. Density sea water 25.

C. K. Curtis
Lieut

Moon's phase last qr Dec. S 24 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,

Hour.	Knots. TENTHS		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	7	0	WNW 1/2 W	S	5		30.03	70	68	66	70	bc	Cum Nimb	1	S	Ship under all plain sail
2	6	5	"	"	4		30.03	70	68	66	70	"	"	1	"	except fore topmast
3	6	0	"	"	4		30.03	70	68	66	70	"	"	1	"	staysail.
4	6	0	"	"	4		30.03	70	68	66	70	o	"	0	"	
5	6	0	"	S by E	4		30.03	70	68	66	70	"	"	0	"	
6	5	5	"	"	4		30.03	70	68	66	69	bc	Cir Cum Nimb	1	"	
7	6	0	"	SSE	5		30.03	70	68	66	70	bcd	"	1	"	
8	6	4	"	"	5		30.05	70	68	66	69	bc	"	2	"	Same.
9	5	4	"	"	4		30.05	69	69	67	69	"	"	4	"	
10	4	4	"	"	4		30.05	69	70	68	70	"	"	6	"	
11	4	2	"	SE	3-4		30.05	69	72	69	70	"	"	6	"	
Noon	4	7	"	"	3-4		30.05	68	70	68	70	"	"	4	"	
Distance run by Log since preceding Noon											130 knots		Tenths 4 fathoms			
Latitude by D. R. at Noon											S 16 °		14 ' 30 "		"	
Longitude by D. R. at Noon											W 8 °		4 ' "		"	
Latitude by Observations at Noon ⊕											S 16 °		7 ' 20 "		"	
Longitude by Chronometer from Forenoon Observations ⊕											W 8 °		22 ' "		"	
Current during the time			0 knots 7 Tenths ms. per hour, setting to the		W.N.W		[Note in left margin reads "Sg. 641"]									
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°		"		"	
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat 16° 4' S Long 8°3' W.											W 24 °		30 "		"	
Water expended during the preceding 24 hours													350 gallons			
Water during the preceding 24 hours													"			
Water remaining on hand fit for use at noon													2450		"	
Coal consumed during the preceding 24 hours													tons		lbs.	
Coal remaining on hand at Noon													"		"	
P,M																
1	4	4	WNW 1/2 W	SSE	3		30.03	69	72	69	70	bc	Cir Cum Nimb	5	S	All plain sail except
2	5	0	"	"	3-4		30.01	69	70	68	70	"	"	3	"	Fore topmast staysail
3	4	5	"	S	3-4		30.00	68	70	68	71	"	"	2	"	
4	4	2	"	"	3		30.00	68	70	68	71	"	"	8	"	
5	4	4	"	"	3		30.00	68	70	68	71	"	"	8	"	
6	4	6	"	"	3		29.99	68	70	68	70	"	"	5	"	Same.
7	4	6	"	"	3		29.98	68	70	68	70	"	"	3	"	
8	4	6	"	s by e	3		29.98	68	70	68	70	"	"	8	"	
9	4	2	"	"	3		30.01	69	69	67	70	"	"	2	"	
10	4	5	"	SSE	3		30.01	69	69	67	70	"	"	6	"	Same.
11	5	0	"	SE	3-4		30.00	69	69	67	70	"	"	4	"	
Mid.	5	5	"	"	4		30.00	69	69	67	70	"	"	6	"	
[Note in left margin reads " S 16° 12' W 8° 59' "]																
Longitude by Chronometer from Afternoon Observations ⊕											°		' "		"	
Longitude by Chronometer Observations											°		' "		"	
Variation of the Compass by Amplitude											observed at Sunset		°		' "	
Variation of the Compass by											at		°		' "	

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, November 24th 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Pleasant. Moderate S[outher]ly breeze. Cum. Nimb. clouds. Ship on the course, under all plain sail, except for topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy. Cool. Light drizzling rain third hour. Pleasant remainder of watch. Moderate to stiff breeze from S. by East and S.S.E. Ship on the course W.N.W 1/2 W. Density sea water 26.

Sam. C. Lemly
Ensign

From 8 to Merid. Cloudy and pleasant. Moderate to gentle breeze from S.S.E., latter part S.E. On course W.N.W. 1/2 W. At 10 Comdg. Officer inspected ship and crew at quarters, then called all hands to muster and held divine service. Density 26.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy first part of watch Clear latter part. Pleasant. Gentle to moderate breeze from S.S.E. to South. Sea smooth. Ship on course W.N.W. 1/2 W. under all plain sail except fore topmast staysail. Density sea water 26.

C. K. Curtis
Lieut

From 4 to 6 P.M. Clear. Pleasant. Gentle breeze from S. Cir. Cum. Nimb. clouds. Ship under all plain sail except fore topmast staysail. On the course. Density sea water 26.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy first hour. Clear last hour. Pleasant. Gentle breeze from S. by E. ship on course W.N.W. 1/2 W. At sunset mustered at quarters. By order of Comdg. Officer Thos. Buckley (landsman) was rated Seaman from this date inclusive Density sea water 26.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy and pleasant. Occasional very light passing rain Gentle to moderate breeze from S.S.E. to S.E. On course. Density 26.

C. B. T. Moore
Ensign

Moon's phase 1st qr Dec. S. 26 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, On course from St. Helena to Monte Video Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1	4	2	WNW 1/2 W	SE	3-5		30.00	69	69	67	70	o	Cir Cum	0	S All plain sail except fore
2	4	0	"	"	3		30.01	68	69	67	70	"	"	0	" topmast staysail.
3	2	5	"	"	2-3		30.00	68	69	67	70	"	"	0	"
4	2	5	"	"	2-3		30.00	68	69	66	70	"	"	0	"
5	3	0	"	S	2-3		30.00	68	69	66	70	"	"	0	"
6	4	0	"	"	3		30.02	68	69	67	70	bc	"	1	" Same.
7	4	5	"	"	4		30.02	68	69	67	70	"	"	1	"
8	4	4	"	"	3		30.00	68	69	67	70	"	"	1	"
9	3	6	"	SE by E	3		30.00	68	71	69	70	"	"	1	" Took in flying jib
10	4	0	"	"	3		30.01	68	71	69	70	"	"	1	" and weather clew of mainsail
11	4	0	"	SE by S	3		30.03	68	71	69	70	"	"	2	" Set flying jib and
Noon	4	5	"	"	3		30.04	68	71	69	70	"	"	3	" weather clew of mainsail.

[Note in left margin reads: At 2 AM "Sq 641" ; at 6 AM S 16° 11' W 10°; at 8 AM " S 16° 10' W 10° 5']

Distance run by Log since preceding Noon	102 knots	Tenths 0 fathoms	
Latitude by D. R. at Noon	S 16 °	22 ' "	
Longitude by D. R. at Noon	W 10 °	6 ' "	
Latitude by Observations at Noon ⊕	S 16 °	15 ' "	
Longitude by Chronometer from Forenoon Observations ⊕	W 10 °	21 ' 30 "	[note in left margin reads "Sg 640"]
Current during the time 0 knots 7 Tenths fms. per hour, setting to the	W.N.W.		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours		350 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		2100 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M															
1	3	2	WNW 1/2 W	SE by E	2		30.03	71	73	73	70	bc	Cir Cum	8	S
2	2	3	"	"	2		30.02	71	75	72	70	"	"	8	"
3	2	0	"	"	1-2		29.99	71	72	69	70	"	"	8	"
4	2	0	"	"	1-2		29.99	70	71	69	71	"	"	8	"
5	2	8	"	"	2		30.00	70	71	69	71	"	"	8	" All plain sail except
6	3	0	"	"	2		30.00	71	71	69	71	"	"	8	" fore topmast staysail
7	3	0	"	"	2-3		30.00	71	71	69	71	"	"	7	" Same
8	3	5	"	"	2-3		30.00	71	71	69	71	"	"	4	"
9	3	6	"	SE	3		30.02	71	71	69	71	"	"	2	"
10	4	0	"	"	3		30.04	71	71	69	70	"	"	7	"
11	4	2	"	"	3-4		30.00	71	71	69	70	"	"	8	" Took in spanker gaff topsail
Mid.	4	0	"	"	3		30.00	71	71	69	70	"	"	9	" flying jib and weather clew of mainsail.

[Note in left margin at 8 PM reads " S 16° 18' W 10° 44' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	W 25 °	15 ' "	
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Monday, November 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant. Moderate breeze first part of watch, light latter part from S.E. Sea smooth. Ship on course W.N.W. 1/2 W. Density sea water 26.

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Pleasant. Gentle S[outher]ly breeze. Ship on the course under all plain sail except for topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From 8 to Merid. Cloudy. Warm. Pleasant. Gentle breeze varying from S.E. by E. to S.E. by S. Ship on the course W.N.W. 1/2 W. At 9.00 took in flying jib and weather clew of mainsail, and at 11 set them. At 9.15 exercised at general quarters. Cast loose, Eng. Div. 45 sec, Surgeons Div. 1 m 15 sec, Powder Div. 1 m 30 sec, Nav. Div. 1 m 30 sec, 2nd Div. 3 m 50 sec, 1st Div. 5 m 40 sec. Secured Eng. Div. 0 m 30 sec, Nav. Div. 1 m 0 sec, Powder Div. 2 m 15 sec, 2nd Div. 6 m 45 sec, 1st Div. 9 m 25 sec. Density sea water 26.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light breeze from S.E. by E. On course. At 1.15 summary court martial convened, at 3.15 court adjourned. Density 26. Carpenters gang engaged in caulking poop.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear. Pleasant. Light breeze from S.E. by E. Sea smooth. Barometer steady. Density sea water 26.

C. K. Curtis
Lieut

From 6 to 8 P.M. Calm first hour, cloudy last. Gentle S[outher]ly S. E[aster]ly breeze. Cir. Cum. Nimb. clouds. At sunset mustered at quarters. At 7.45 moon set. Density sea water 26.

L. P. Jerrett
Master

From 8 PM to Mid. Cloudy first hour. Clear remainder of watch. Pleasant. Gentle breeze from S.E. Ship on course W.N.W. 1/2 W. At 10.15 took in spanker and gaff topsail. At 10.30 hauled up weather clew of mainsail and hauled down flying jib. Density of sea water 26.

Sam. C. Lemly
Ensign.

Moon's phase 1st qr Dec. S. 27 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En route from St Helena to MonteVideo, Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1	2	4	WNW 1/2 W	SE by S	1		30.17	70	70	69	70	bc	Cir Cum Nimb	3	S All plain sail except spanker, gaff
2	1	5	"	"	1		30.00	70	70	69	70	"	"	3	" topsail, weather clew of mainsail, fore
3	1	0	"	"	1		30.00	70	70	69	70	"	"	3	" topmast staysail, and flying jib.
4	2	0	"	"	1-2		30.00	70	70	69	70	o	"	0	"
5	2	6	"	ESE	1-2		30.00	70	70	70	70	"	"	0	"
6	3	5	"	"	2		30.00	70	70	70	71	"	"	0	" All plain sail except fore topmast
7	5	0	"	SSE	3		30.00	70	70	70	71	"	"	0	" Staysail.
8	5	4	"	"	4		30.02	71	70	70	71	"	"	0	"
9	4	6	"	"	3		30.04	71	72	71	71	bc	"	2	"
10	4	0	"	"	3		30.04	72	73	72	71	"	"	3	" Same
11	4	1	"	"	3		30.05	72	74	72	71	"	"	2	"
Noon	3	6	"	"	3		30.05	72	74	72	71	"	"	2	"

Distance run by Log since preceding Noon	77 knots	Tenths 3 fathoms.
Latitude by D. R. at Noon	S 16 °	26 ' 30 "
Longitude by D. R. at Noon	W 11 °	41 ' "
Latitude by Observations at Noon ⊕	S 16 °	26 ' 20 "
Longitude by Chronometer from Forenoon Observations ⊕	W 11 °	53 ' 30 "
Current during the time 0 knots 5 Tenths five per hour, setting to the West		[Note at left margin reads "Sg. 640"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S. 16° 22' W 11° 36'	W 24 °	27 " "
Water expended during the preceding 24 hours		350 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1750 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1	2	5	WNW 1/2 W	SE by E	3		30.05	72	79	78	71	bc	Cir Cum Nimb	6	S Took in flying jib, jib spanker, gaff topsail
2	2	0	"	"	2		30.05	72	79	78	71	"	"	3	" and weather clew of mainsail.
3	1	6	"	"	1-2		30.05	72	76	76	72	"	"	1	" Square sail except
4	1	6	"	"	1-2		30.04	72	75	75	72	"	"	1	" weather clew of mainsail,
5	1	6	"	SSE	1		30.03	72	73	73	72	"	"	2	" flying jib, jib spanker &
6	1	7	"	"	1		30.03	72	73	73	72	"	"	6	" gaff topsail, and weather
7	2	5	"	S	1-2		30.04	72	72	72	71	o	"	0	" clew of mainsail
8	1	5	"	"	1-2		30.04	72	72	72	71	"	"	0	"
9	1	5	"	"	1-2		30.04	72	72	72	71	bc	"	6	"
10	3	0	"	"	3		30.04	72	72	72	71	"	"	8	" Same.
11	3	4	"	"	3		30.04	71	71	70	70	"	"	9	"
Mid.	3	2	"	"	3		30.05	71	71	70	70	"	"	9	" Same.

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday November 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant, latter part overcast. Light airs from S. E. by S. On course W.N.W. 1/2 W. Density 26.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast and pleasant. Light to moderate breeze from E.S.E. & S.S.E. Swell from S.S.E. Barometer rising slowly. At 7 set weather clew of mainsail, spanker, gaff topsail, and flying jib. Density sea water 26.

C. K. Curtis
Lieut.

From 8 to Merid. Cloudy. Warm. Gentle S.E. breeze. Cir. Cum. Nimb. clouds. At 9.15 inspected at quarters, and exercised companies at small arms, and drilled howitzer crew. Ship on course, under all plain sail except fore topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy and warm. Gentle breeze from S.E. by E. falling to light air latter part. Ship on course W.N.W. 1/2 W. At 12.45 took in flying jib, jib, weather clew of mainsail, spanker, and gaff topsail. Density sea water 26.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Light airs from S.S.E. On course. At 5 set jib, flying jib, spanker, gaff topsail, and weather clew of mainsail. Density 26. Clouds cir cum nimb.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Overcast and pleasant. Light airs from South. Sea smooth. At sunset mustered at quarters. Ship on course WNW 1/2 W. Density sea water 26.

C. K. Curtis
Lieut.

From 8 PM to Mid. Clear. Pleasant. Gentle S.S.E. breeze. Cir. Cum. Nimb. clouds. Ship on the course, under all plain sail, except for topmast staysail. Density sea water 26.

L. P. Jerrett
Master

Moon's phase 1st qr Dec. S. 25°

Examined and found to be correct

Asa Walker,
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. Route from St. Helena to Monte Video Uruguay

Hour.	Knots. TENTHS.		Courses steered.	WINDS.		Lagway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	2	8	WNW 1/2 W	SE	2		30.04	71	71	70	70	bc	Cir Cum Nimb	1		All plain sail except
2	3	5	"	SSE	3-4		30.03	71	71	70	71	o	"	0	"	fore topmast staysail
3	3	4	"	"	2		30.02	71	71	70	71	"	"	0	"	
4	2	5	"	"	2		30.02	71	71	70	71	"	"	0	"	
5	2	9	"	"	2		30.03	71	72	71	71	bc	"	2	"	
6	3	2	"	"	2		30.03	71	72	71	71	"	"	3	"	
7	3	0	"	"	2		30.06	70	71	71	71	"	"	3	"	Same
8	3	5	"	"	2-3		30.08	71	72	71	71	o	"	0	"	
9	4	0	"	"	3		30.10	71	73	72	71	"	"	0	"	
10	4	2	"	"	3		30.11	71	74	74	72	"	"	0	"	
11	4	4	"	"	3		30.11	71	74	74	72	"	"	0	"	Same
Noon	4	0	"	"	3		30.11	72	74	74	72	"	"	0	"	

Distance run by Log since preceding Noon 67 knots
Latitude by D. R. at Noon S 16 ° 33 ' 38 "
Longitude by D. R. at Noon W 13 ° 03 ' "
Latitude by Observations at Noon ⊕ S 16 ° 34 ' 28 "
Longitude by Chronometer from Forenoon Observations ⊕ W 13 ° 24 ' "
Current during the time 0 knots 8 Tenthms. per hour, setting to the West
Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. S 16° 33' Long. W 13° 7' W 23 ° 10 " "
Water expended during the preceding 24 hours 250 gallons
Water during the preceding 24 hours "
Water remaining on hand fit for use at noon 1500 "
Coal consumed during the preceding 24 hours tons lbs.
Coal remaining on hand at Noon " "

P,M																
1	4	0	WNW 1/2 W	S	3		30.09	72	75	74	72	bc	Cir Cum Nimb	1	S	All plain sail except
2	3	8	"	"	3		30.08	72	74	73	72	"	"	1	"	fore topmast staysail.
3	3	0	"	"	2-3		30.08	72	74	73	72	"	"	3	"	
4	2	6	"	"	2-3		30.08	72	74	73	72	"	"	4	"	
5	3	0	"	SE	3		30.05	72	73	73	72	"	"	6	"	Same
6	3	0	"	"	3		30.05	72	72	72	72	"	"	6	"	
7	3	2	"	SE by E	2-3		30.06	72	72	72	72	"	Cir Cum	2	"	Same
8	3	3	"	"	2-3		30.07	72	72	71	72	"	"	6	"	
9	3	4	"	"	3		30.09	72	72	71	72	o	"	0	"	
10	3	6	"	"	3		30.09	72	72	71	72	"	"	0	"	
11	3	2	"	"	3		30.09	72	72	71	72	bc	"	2	"	Same
Mid.	3	2	"	"	3		30.09	72	72	71	72	"	"	2	"	

[Note in left margin at 8 PM reads " S 16° 37' W 13° 03' "]

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "
Longitude by Chronometer Observations ° ' "
Variation of the Compass by Amplitude observed at Sunset ° ' "
Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, November 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Damp. Pleasant. Light to gentle breeze from S.E. and S.S.E. Ship on course W.N.W. 1/2 W. under all plain sail except fore topmast staysail. Density sea water 27.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Light to gentle breeze from S.S.E. Clouds, Cir. Cum. Nimb. On course. Density 27.

C. B. T. Moore
Ensign

From 8 to Merid. Overcast and warm. Gentle breeze from S.S.E. Sea smooth. Barometer steady. At 9.15 inspected at quarters. Exercised as per routine. By order of Comdg. Officer Jas. Hackett (O.S. 2nd Cl.) was released from confinement to remain a prisoner at large to await action of Comdr. in Chief. By order of Comdr. Geo Vaughn (Lds) and Ellison Parker (Lds) were given 3 extra mid watches for disobedience of orders. Density sea water 26.

C. K. Curtis
Lieut.

From Merid. to 4 P.M. Cloudy. Warm. Light to gentle breeze from S. Cir. Cum. Nimb. clouds. Ship on the course under all plain sail, except fore topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From 4 to 6 P.M. Clear and pleasant. Gentle breeze from S.E. Ship on course, under all plain sail, except fore topmast staysail. Density sea water 26.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Clear and pleasant. Light to gentle breeze from S.E. by E. On course. Barometer steady. Density 26. At 6.30 mustered at quarters.

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy and pleasant. Gentle breeze from S.E. by E. At 8.10 sounded call to general quarters. Time of casting loose as follows. Surgeons Div. 2 m 45 sec, Nav. Div. 3 m 30 sec, Engs. Div. 3 m 40 sec, Powder Div. 4 m 15 sec, 2nd Div. 5 m 15 sec, 1st Div. 8 m 30 sec. Secured in 6 m. On course. Density sea water 26. By order of Comdg Officer, Wm Walker (Sea) was released from confinement.

C. K. Curtis
Lieut.

Moon's phase 1st qr Dec. S. 23°.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay

Hour.	Knots. TENTHS		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	3	8	WNW 1/2 W	SE	3		30.09	72	72	71	72	bc	Cir Cum Nimb	1	S	All plain sail, except fore
2	4	0	"	"	3		30.05	72	72	71	72	O	"	0	"	Topmast staysail
3	4	0	"	"	3		30.05	72	72	71	72	"	"	0	"	
4	4	6	"	"	4		30.05	72	72	71	72	bc	"	2	"	
5	5	6	"	"	4		30.04	72	72	71	73	o	"	0	"	
6	5	5	"	"	4		30.03	72	72	71	73	bc	"	1	"	Same
7	3	5	"	"	1-2		30.00	72	72	72	73	o	"	0	"	
8	3	0	"	"	3		30.00	72	72	72	73	"	"	0	"	
9	4	2	"	"	3		30.07	72	73	73	73	"	"	0	"	
10	4	0	"	"	3		30.08	72	74	74	73	"	"	0	"	Same
11	3	4	"	"	2-3		30.08	72	75	72	73	"	"	0	"	
Noon	3	6	"	"	2-3		30.08	72	74	71	73	"	"	0	"	

Distance run by Log since preceding Noon 89 knots
Latitude by D. R. at Noon S 16 ° 43 ' Tenth
Longitude by D. R. at Noon W 14 ° 57 ' fathoms
Latitude by Observations at Noon ⊕ °
Longitude by Chronometer from Forenoon Observations ⊕ W 15 ° 8 '
Current during the time 0 knots 5 Tenth
Variation of the Compass by Amplitude ⊕ observed at Sunrise °
Variation of the Compass by Azimuth ⊕ observed at 8 AM. Lat. S 16° 42' Long W. 14° 52' W 22 ° 50 "
Water expended during the preceding 24 hours 250 gallons
Water during the preceding 24 hours
Water remaining on hand fit for use at noon 1250 °
Coal consumed during the preceding 24 hours tons lbs.
Coal remaining on hand at Noon °

P,M																
1	3	0	WNW 1/2 W	SE	3		30.08	73	76	73	73	o	Cir Cum Nimb	0		All plain sail except
2	3	0	"	ESE	3		30.06	74	76	74	74	"	"	6	"	fore topmast staysail
3	3	4	"	SE by E	3		30.05	74	75	74	74	bc	"	1	"	
4	3	0	"	SE	3		30.04	73	74	72	74	o	"	0	"	
5	4	6	"	SSE	3-4		30.04	72	73	71	73	bc	"	2	"	
6	4	5	"	"	3		30.04	72	72	70	73	"	"	4	"	Same
7	2	5	"	"	2-3		30.03	72	72	70	73	opd	"	0	"	
8	3	5	"	"	2-3		30.04	72	72	70	73	"	"	0	"	Same
9	3	5	"	"	2-4		30.04	71	70	69	73	op	"	0	"	
10	3	8	"	"	3		30.06	71	70	69	73	"	"	0	"	
11	3	8	"	"	3		30.06	71	70	69	73	o	"	0	"	
Mid.	3	2	"	"	3		30.05	71	71	70	73	o	"	0	"	Same
[Note in left margin at 8 PM reads " S 16° 46' W 15° 37' "]																
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"		
Longitude by Chronometer Observations												°	'	"		
Variation of the Compass by Amplitude								observed at Sunset				°	'	"		
Variation of the Compass by								at				°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, November 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Cool. Pleasant. Gentle breeze from S.E. Cir. Cum. Nimb. clouds.
Ship on the course, under all plain sail except fore topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Overcast and pleasant. Moderate to light breeze from S.E. On the course under all
plain sail except fore topmast staysail. Density sea water 26.

Sam. C. Lemly
Ensign

From 8 to Merid. Overcast and pleasant. Light to gentle breeze from S.E. On course. At 9.15 inspected at
quarters. Exercised Co. B at single sticks. Density 26.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast and pleasant. Gentle breeze from S.E. to E.S.E. Barometer falling slowly.
Sea smooth. On course. At 1.30 called all hands to muster and made proceedings ~~and~~ findings and
sentence of Summary Court Martial in the case of J. B. Stanley (OS 2nd CI) convened by order of Comdg.
Officer. Specification. Refusing to obey the order of his Superior Officer, and insolent in manner and
language to him. Specification, [unreadable] in port. Sentence by Court; solitary confinement in single
irons on bread and water for 15 days, full rations every fifth day, and extra police duty for 3 months.
Sentence approved by Comdr. and remitted to solitary confinement in single irons for 7 days, on bread
and water, with full rations every other day and extra police duty for 15 days. Density sea water 26.

C. K. Curtis
Lieut.

From 4 to 6 P.M. Cloudy. Pleasant. Gentle S.S.E. breeze. Cir. Cum. Nimb. clouds. Ship on the course
under all plain sail except fore topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From 6 to 8 P.M. Overcast, with drizzling rain. Light to gentle breeze from S.S.E. On the course under all
plain sail except fore topmast staysail. At sunset mustered at quarters. Density sea water 26.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Overcast and pleasant: occasional passing rain. Light to moderate breeze from S.S.E.
On course. Barometer steady. Density 26.

C. B. T. Moore
Ensign

Moon's phase 1st qr Dec. S. 19°

Examined and found to be correct

Asa Walker
Lt. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St Helena to MonteVideo, Uruguay

		WINDS.					BAROMETER.			TEMPERATURE.							Record of the sail the vessel is under at end of watch.	
Hour.			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.			
	Knots.	Tenths.																
A,M																		
1	3	8	WNW 1/2 W	S	3		30.04	71	71	71	73	o	Cum Nimb	0	S	All plain sail to T.G. staysail		
2	3	5	"	SSW	3-5		30.03	71	71	70	73	op	"	0	"	Jib F topmast staysail and		
3	2	8	"	"	3		30.01	71	71	69	73	o	"	0	"	spanker.		
4	2	8	"	SSE	3		30.00	71	71	69	73	"	"	0	"			
5	3	5	"	SE	4		30.00	71	71	69	73	"	"	0	"			
6	4	0	"	"	2-3		30.04	71	71	70	73	"	"	0	"	Set royals and gaff topsail		
7	3	8	"	"	3		30.04	71	71	70	73	"	"	0	"			
8	4	6	"	"	4		30.04	71	71	70	73	bc	"	2	"			
9	4	2	"	"	3		30.05	71	72	71	73	"	"	1	"			
10	3	8	"	"	3		30.02	72	73	72	73	"	Cir Cum Nimb	7	"	Took in F.T.G. sl and royal: Set them.		
11	3	5	"	"	3		30.03	72	74	72	73	bcpd	"	5	"	Hauled down F topmast staysail		
Noon	3	2	"	"	2		30.04	72	74	72	73	bc	"	5	"			
Distance run by Log since preceding Noon												85 knots		Tenths 8 fathoms				
Latitude by D. R. at Noon												S 16	°	51	'	"		
Longitude by D. R. at Noon												W 16	°	37	'	"		
Latitude by Observations at Noon ⊕												S 16	°	48	'	"		
Longitude by Chronometer from Forenoon Observations ⊕												W 16	°	48	'	"		
Current during the time			0	knots	5	Tenths fms. per hour, setting to the			W.N.W. 1/2 W.			[Note on left margin reads "Sg. 639"]						
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°					"	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM. Lat S 16° 47' Long W 16° 42'												W 22	°	30	"	"	"	
Water expended during the preceding 24 hours														250 gallons				
Water				during the preceding 24 hours														
Water remaining on hand fit for use at noon														1000			"	
Coal consumed during the preceding 24 hours														tons		lbs.		
Coal remaining on hand at Noon														"		"		
P,M																		
1	2	6	WNW 1/2 W	SE	2		30.02	73	75	75	74	op	Cir Cum Nimb	0	S			
2	2	2	"	SE by E	1-2		30.00	73	74	73	74	"	"	0	"			
3	1	8	"	"	1-2		30.00	73	74	73	74	bc	"	6	"			
4	2	0	"	"	1-2		29.99	73	74	73	74	"	"	6	"			
5	2	8	"	"	2		29.99	73	74	73	74	"	"	1	"	All plain sail with jib.		
6	3	6	"	"	3		30.00	72	73	72	74	"	"	1	"			
7	3	5	"	SSE	3		30.00	73	73	72	74	o	Cum Nimb	0	"	Took in spanker & gaff topsail		
8	1	8	"	ESE	1-2		30.02	73	73	72	74	od	"	0	"			
9	2	5	"	"	2-3		30.05	73	73	72	74	opd	"	0	"	Took in mainsail.		
10	3	5	"	SE	2-3		30.07	73	73	72	74	o	"	0	"	Set lee clew of mainsail.		
11	3	0	"	SE by E	3		30.05	73	73	72	73	bc	"	6	"			
Mid.	3	4	"	ESE	3		30.04	73	73	72	73	"	"	2	"			
[Note in left margin reads "S 16° 50' W 17° 9' "]																		
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"	"			
Longitude by Chronometer Observations												°	'	"	"			
Variation of the Compass by Amplitude								observed at Sunset				°	'	"	"			
Variation of the Compass by								at				°	'	"	"			

under the command of Commander W. S. Schley, U. S. Navy.
Friday, November 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast and pleasant. Gentle breeze from S.S.W. to S.S.E. At 1.45 took in royals, gaff topsail, and flying jib. Hoisted fore topmast staysail. Barometer falling slowly. Sea smooth. Density sea water 26. By order of Comdr. Geo. Vaughan (Lds) and E. Parker (Lds) stood extra mid watch for punishment.

C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast. Cool. Pleasant. Gentle to moderate breeze from S.E. Cum. Nimb. clds [clouds]. At 5.30 set royals and gaff topsails. On the course. Density sea water 26.

L. P. Jerrett
Master

From 8 to Merid. Partially clear. Warm. Passing showers third hour. Gentle to light breeze from S.E. Ship on course W.N.W. 1/2 W. At 8.50 starboard fore topgallant sheet carried away. Took in topgallant sail and royal. At 9.10 set them. At 9.15 exercised at fire quarters. Exercised boarders of Nav. And 2nd Divisions at target practice, with pistols. Those of the 1st Div. at pistol drill. At 10.45 hauled down fore topmast skysail. By order of the Comdg. Officer Jas. O'Donnell (1.C.F.) and Jeremiah Donovan (2.C.F.) was confined in double irons, for fighting. Density sea water 26.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast and light passing rain latter part. Clear and pleasant. Light airs to light breeze from S.E. by E. At 2 called away all boats, armed and equipped. Comdg. Officer inspected arms and equipments. Density 26. On course.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Light to gentle breeze from E.S.E. and S.S.E. Barometer rising slowly. Sea smooth. On course. Density sea water 26.

C. K. Curtis
Lieut.

From 6 to 8 P.M. Overcast. Drizzling rain last hour. Gentle breeze from S.E. falling light and shifting to E.S.E. towards end of watch. Cum. Nimb. clouds. At sunset mustered at quarters. At 6.40 took in spanker and gaff topsail. Density sea water 26.

L. P. Jerrett
Master

From 8 PM to Mid. Cloudy. Drizzling rain first two hours. Light to gentle breeze varying from S.E. to E.S.E. On the course W.N.W. 1/2 W. At 8.20 took in mainsail. At 9.10 set lee clew of mainsail. Density sea water 26.

Sam. C. Lemly
Ensign

Moon's phase 1st qr Dec. 14 ° S.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	3	6	WNW 1/2 W	SE by E	2-3		30.02	73	72	71	73	bc	Cir Cum Nimb	4	S	All plain sail except Fly.
2	3	4	"	"	2-3		29.99	73	72	71	73	"	"	4	"	jib F. T. staysail, spanker, gaff
3	3	4	"	"	2-3		29.99	73	72	71	73	"	"	4	"	topsail. W. clew of mainsail
4	3	2	"	"	2-3		29.99	73	72	71	73	"	"	4	"	
5	3	5	"	SSE	3		29.99	73	72	71	73	"	"	1	"	Jib and all plain square sail
6	3	6	"	E	3		30.00	72	72	71	73	"	"	4	"	
7	3	6	"	"	3		30.00	72	72	71	73	"	"	0	"	
8	2	4	"	SSE	3		30.02	72	73	72	73	"	"	0	"	
9	3	0	"	SSE	3		30.03	72	73	72	74	"	"	0	"	All square sail and
10	2	8	"	"	3		30.03	73	73	72	74	"	"	0	"	jib.
11	3	4	"	"	3		30.03	74	74	73	74	bc	"	1	"	
Noon	3	6	"	"	2-3		30.03	74	75	74	74	"	"	4	"	

[Note in left margin reads " S 16° 56' W 18° 2' "]

Distance run by Log since preceding Noon	72 knots	Tenths 9 fathoms	
Latitude by D. R. at Noon	S 16 °	55	"
Longitude by D. R. at Noon	W 18 °	4	"
Latitude by Observations at Noon ⊕	S 16 °	58	"
Longitude by Chronometer from Forenoon Observations ⊕	W 18 °	16	"
Current during the time 0 knots 5 Tenths five per hour, setting to the	W.S.W. 1/2 W.		[Note in left margin reads "Sg. 639"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 10 AM Lat S.[blank] Long W. [blank]	°	"	"
Water expended during the preceding 24 hours		250 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		750	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M																
1	0 1	8 8	wnw 1/2 w wnw 1/4 w	E	2		30.02	74	78	76	74	bc	Cir Cum Nimb	3	S	Set spanker and gaff topsail.
2	2	0	"	"	2		30.05	74	78	76	75	"	"	1	"	All plainsail except flying jib & fore topsail
3	2	0	"	"	2		30.03	74	78	76	75	"	"	2	"	Staysail.
4	2	2	"	"	2		30.04	74	78	76	75	"	"	2	"	
5	2	6	"	"	2		30.02	74	75	75	75	"	"	8	"	
6	2	6	"	"	2		30.03	74	77	76	75	"	"	8	"	
7	3	0	"	ese	2		30.04	74	75	74	74	"	"	4	"	Same.
8	3	2	"	E	2		30.04	74	74	73	74	"	"	5	"	
9	3	0	"	"	3		30.05	74	74	73	74	o	"	0	"	
10	2	6	"	"	2-3		30.06	74	74	73	74	"	"	0	"	
11	2	5	"	"	2		30.06	74	74	73	74	"	"	0	"	Same.
Mid.	3	2	"	"	3		30.06	74	74	73	74	"	"	0	"	

[Note in left margin at 8 PM reads: " S 16° 58' W 18° 37' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	"	"
Longitude by Chronometer Observations	°	"	"
Variation of the Compass by Amplitude observed at Sunset	°	"	"
Variation of the Compass by at	°	"	"

under the command of Commander W. S. Schley, U. S. Navy.
Saturday November 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant, occasional very light passing rain. Light to gentle breeze from S.E. by E. On course. Density 26.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Gentle breeze from East and E.S.E. Barometer rising slowly. Sea smooth. On course. Density sea water 26. At 6 started fires in two boilers for the purpose of distilling.

C. K. Curtis
Lieut

From 8 to Merid. Cloudy. Warm. Gentle breeze from E.S.E. Cir. Cum. Nimb. clouds. Ship on the course, under all square sail and jib. Fires banked in two boilers. Distilling.

L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy, warm and pleasant. Light breeze from E. At 12.05 set spanker and gaff topsail. At 12.15 changed course to W.N.W. 1/4 W. Density sea water 26. Fires banked in two boilers. Distilling.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant. Light breeze from East. Fires banked in two boilers. Distilling. Density 26.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light breeze from South and E.S.E. Bar. steady. Sea smooth At 6.30 mustered at quarters. Density sea water 26. Distilling.

C. K. Curtis
Lieut

From 8 PM to Mid. Overcast. Pleasant. Gentle E[aster]ly breeze. Cir. Cum. Nimb. clouds. Obscured moonlight. Moon set at 11.45. Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jerrett
Master

Moon's phase 1st qr Dec. S. 9 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St Helena to Monte Video, Uruguay.

Hour.	WINDS.					BAROMETER.					TEMPERATURE.					State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Fathoms.	TENTHS	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.								
A,M																				
1	3	2	WNW 1/4 W	E	3		30.02	74	74	73	74	bc	Cir Cum Nimb	1		All plain sail except fly.				
2	3	2	"	"	3		30.05	74	74	73	75	o	"	0	"	jib and fore topmast				
3	2	8	"	"	2		30.03	74	74	73	75	"	"	0	"	staysail.				
4	2	0	"	E by S	2		30.02	74	74	73	75	"	"	0	"					
5	2	3	"	"	2		30.04	73	74	73	75	bc	"	2	"					
6	3	5	"	"	2-3		30.06	73	74	73	75	"	Cir Cum	2	"					
7	4	2	"	"	2-3		30.07	73	74	73	74	"	"	2	"					
8	4	0	"	"	2-3		30.07	73	74	73	74	"	"	7	"					
9	4	5	"	"	3		30.09	74	76	74	74	"	"	8	"	All plain sail except				
10	4	8	"	E by N	3		30.09	75	77	75	74	"	"	6	"	fore topmast staysail.				
11	5	0	"	"	4		30.10	75	78	76	75	"	"	2	"					
Noon	5	0	"	ENE	4		30.10	75	79	76	75	"	"	5	"					
Distance run by Log since preceding Noon												75 knots	Tenths 0 fathoms							
Latitude by D. R. at Noon												S 17 °	2	'	"					
Longitude by D. R. at Noon												W 19 °	34	'	"					
Latitude by Observations at Noon ⊕												S 17 °	8	'	20	"				
Longitude by Chronometer from Forenoon Observations ⊕												W 19 °	41	'	30	"				
Current during the time			0	knots	4	Tenths 400	per hour, setting to the SW 1/4 W													
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°	"	"		[Note on left margin "Sg. 639"]				
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat s 17° 7' Long w 19° 21'												W 20 °	35	"	"					
Water expended during the preceding 24 hours													250 gallons							
Water condensed			during the preceding 24 hours										850 "							
Water remaining on hand fit for use at noon													1350 "							
Coal consumed during the preceding 24 hours													tons	lbs.						
Coal remaining on hand at Noon													"	"						
P,M																				
1	4	0	WNW	ENE	4		30.08	75	78	76	75	bc	Cir Cum	5	S	All plain sail except				
2	4	2	"	"	4		30.07	75	78	76	75	"	"	3	"	fore topmast staysail				
3	4	0	"	"	4		30.06	75	78	76	75	"	"	3	"					
4	4	2	"	E	4		30.05	75	78	76	75	"	"	3	"					
5	4	2	"	"	4		30.00	75	78	76	75	o	"	0	"					
6	4	0	"	E by S	4		30.02	75	78	76	75	bc	"	1	"	Same.				
7	3	8	"	"	2-3		30.07	75	76	75	75	"	"	2	"					
8	3	8	"	"	2-3		30.08	76	77	75	75	"	"	2	"	Same.				
9	4	8	"	"	3		30.11	76	77	76	75	o	"	0	"					
10	4	5	"	"	3		30.11	76	76	74	75	bc	"	1	"					
11	4	0	"	"	3		30.11	75	75	74	75	o	"	0	"	Same.				
Mid.	3	0	"	SE by E	2		30.10	74	74	73	75	"	"	0	"					
[Notes in left margin reads: At 5 PM " S 17° 9' W 20° 0"; at 8 PM "S 17° 7' W 20° 15' "; at 11 PM "Sg 638"]																				
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"						
Longitude by Chronometer Observations												°	'	"						
Variation of the Compass by Amplitude												observed at Sunset					°	'	"	
Variation of the Compass by												at					°	'	"	

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, December 1st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Pleasant. Gentle to light breeze from E. and E. by S. On the course. W.N.W. 1/4 W. Fires banked in two boilers. Av. steam pressure 30 lbs. Distilling.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant. Light to gentle breeze from E. by S. On course. Fires banked in two boilers Distilling. Density 26.

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy and pleasant. Gentle to moderate breeze from E. by S. to E.N.E. Sea smooth. On course. At 9.45 had divisional inspection. At 9.50 Comdg. Officer inspected ship and crew at quarters, afterwards all hands were called to muster, "articles for better government of navy", and prayers were read, and crew mustered. Set the flying jib. By order of Comdg. Officer Jas. O'Donnell (1.C.F.) and Jeremiah Donovan (2.C.F.) were released from confinement, and returned to duty. Corporal Patrick Connolly (M.C.) reported his term of enlistment in the Marine Corps as having expired. Fires banked in two boilers. Distilling. Density sea water 26.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy. Warm. Moderate E.N.E. breeze, shifting to E at end of watch. Cir. Cum. clouds. Ship on the course under all plain sail, except for topmast staysail. Fires banked in two boilers. Distilling. Density sea water 26. Changed course to W.N.W. at 12 M.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy. Pleasant. Moderate breeze from E. and E. by S. On the course W.N.W. Fires banked in two boilers. Distilling. Density sea water 26.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light to gentle breeze from E. by S. On course. Distilling. Density 26.

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy and pleasant. Light to gentle breeze from E. by S. to S.E. by E. On course W.N.W fires banked in two boilers. Distilling. Density 26.

C. K. Curtis
Lieut.

Moon's phase 2nd qr Dec. S. 4 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St Helena, to Monte Video, Uruguay.

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	3	4	WNW	SE by S	4		30.10	74	74	73	75	bc	Cir Cum Nimb	2	S	All plain sail
2	4	2	"	"	4		30.10	74	74	73	75	"	"	8	"	except fore topmast
3	4	2	"	"	4		30.06	74	74	73	75	od	"	0	"	staysail.
4	4	5	"	"	4		30.06	74	74	73	75	or	"	0	"	
5	5	8	"	E	4-5		30.06	74	74	73	75	opq	"	0	"	Took in spanker and gaff topsail
6	6	5	"	E by S	4-5		30.04	74	74	73	75	bcpq	"	2	"	
7	6	5	"	E	5		30.05	74	74	73	76	o	"	0	"	
8	6	3	"	"	5		30.07	74	74	73	76	"	"	0	"	Set spanker and gaff topsail.
9	6	4	"	"	4-5		30.10	74	75	73	76	bc	"	2	"	
10	4	0	"	"	4		30.10	75	77	73	76	"	"	3	"	
11	Firing at target		Firing at target	"	4		30.10	75	77	72	76	"	"	2	"	Under all plainsail except
Noon	4	6	WNW	"	3-4		30.10	75	77	72	76	"	"	2	"	Fly. Jib & F. M. staysail.
Distance run by Log since preceding Noon											104 knots		Tenths 9 fathoms			
Latitude by D. R. at Noon											S 17 °	3	'	"		
Longitude by D. R. at Noon											W 21 °	31	'	"		
Latitude by Observations at Noon ⊕											S 17 °	11	'	36	"	
Longitude by Chronometer from Forenoon Observations ⊕											W 21 °	40	'	"		
Current during the time			0 knots	5	Tenths 100. per hour, setting to the		S.W.									
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°	"	"	"	[Note in left margin reads "Sg. 639"]	
Variation of the Compass by Azimuth ⊕ observed at 8 AM. Lat S 17° 10 Long W 21° 24											W 20 °	5	"	"		
Water expended during the preceding 24 hours													250 gallons			
Water Condensed during the preceding 24 hours													1000 "			
Water remaining on hand fit for use at noon													2100 "			
Coal consumed during the preceding 24 hours													tons	lbs.		
Coal remaining on hand at Noon													"	"		
P,M																
1	4	5	WNW	E	3-4		30.10	75	78	75	76	o	Cir Cum Nimb	0	S	Under all plain sail
2	5	0	"	ENE	4		30.08	75	76	74	76	"	"	0	"	except fly jib & F. M.
3	3	5	"	E by N	3		30.07	75	77	75	76	"	"	0	"	staysail.
4	4	0	"	E	3		30.06	76	78	75	76	bc	"	1	"	
5	4	0	"	"	4		30.06	76	78	75	76	"	"	6	"	
6	4	8	"	"	4		30.06	76	78	75	76	"	"	6	"	Same.
7	5	2	"	E by S	4		30.04	76	78	75	76	"	"	1	"	
8	4	8	"	"	4		30.03	76	78	73	76	"	"	2	"	Same.
9	4	8	"	"	3-4		30.09	75	76	73	75	"	Cir Cum	5	"	
10	4	8	"	"	3-4		30.10	75	76	73	75	"	"	5	"	Hauled up mainsail.
11	5	0	"	ESE	3-4		30.10	75	76	73	75	"	"	5	"	
Mid.	4	8	"	"	3-4		30.10	75	76	73	75	"	"	5	"	
[Note in left margin at 8 PM reads " S 17° 10' W 22° 17' "																
Longitude by Chronometer from Afternoon Observations ⊕											°	'	"			
Longitude by Chronometer Observations											°	'	"			
Variation of the Compass by Amplitude								observed at Sunset				°	'	"		
Variation of the Compass by								at				°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Monday, December 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

[Editor's Note: The following information was listed on a separate note and attached to the logbook entry for December 2, 1878.]

Expended at target practice, on naval stores, as follows:

Two (2) XI in 5" shells in bags loads & fuzes.
One (1) " " " " " " " " Crane
Six (6) IX in 5" shells " " " " "
Three (3) 60 pdr. " " " " " "
Forty five (45) lbs powder cannon in 15 lbs bags.
Sixty (60) " " " " 10 " "
Eighteen (18) " " " " 6 " "
Three (3) Cartridge bags 15 lbs.
Six (6) " " 10 "
Three (3) " " 6 "
Fifty (50) Primers, cannon, quill.

Asa Walker
Lieut.

under the command of Commander W. S. Schley, U. S. Navy.
Monday, December 2nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Rainy latter part of watch. Cir. Cum. clouds. Moderate breeze from S.E. by E. Ship under all plain sail except fore topmast staysail. On the course. Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Overcast. Squally and rainy first two hours. Pleasant remainder of watch. Moderate to stiff breeze from E. and E. by S. Ship on course W.N.W. At 4.45 took in spanker and gaff topsail. At 7.40 set them. Fires banked in two boilers. Distilling. Density sea water 26.

Sam. C. Lemly
Ensign

From 8 to Merid. Cloudy and pleasant. Stiff to gentle breeze from E. Called all hands clear ship for action. Took in furlled royals F. T. G. & clewed up T G sails took in gaff topsail. Lay aloft 9 h. 37 m. 15 sec. All ready main 9 h. 43 m, fire 9 h. 43 m. 30 sec. Sounded to general quarters at 9h. 45 m. 20 sec. Ready Engs. Div. 9 h. 46 m, 2nd Div. 9 h. 47 m. 30 sec, Powder 9 h. 47 m. 45 sec, Nav. Div 9 h. 47 m. 55 sec, 1st Div. 9 h. 55 m. 30 sec. Put over target at 9.55, brought by the wind at 10.02. At 10.15 commenced firing at target. At 11.10 secured, and made sail. On course W.N.W. Barometer steady. Density 26. Distilling.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Gentle to moderate breeze from E.N.E. to East. Sea smooth. Barometer falling slowly. On course W.N.W. Fires banked in two boilers. Distilling. Density 26.

C. K. Curtis
Lieut

From 4 to 6 P.M. Clear. Pleasant. Moderate E[aster]ly breeze. Cir. Cum. Nimb. clouds. Ship on the course under all plain sail except fore topmast staysail, and flying jib. Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy. Pleasant. Moderate breeze from E. by S. ship on course W.N.W. At sunset mustered at quarters. Fires banked in two boilers. Distilling. Density sea water 26.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy pleasant. Gentle to moderate breeze from E. by S. latter part E.S.E. Cir. Cum. clouds. At 9 banked six boiler fires. Density 26. Distilling. Barometer steady.

C. B. T. Moore
Ensign

Moon's phase 2nd qr Dec. N. 2°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Montevideo, Uruguay

Hour.	Knots. TENTHS		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.		State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A,M															
1	4	6	WNW	E by S	4		30.09	75	76	73	76	bc	Cir Cum	4	S All plain sail except F.T.M.
2	5	0	"	"	4		30.09	75	76	76	76	"	"	4	" staysail and fly. jib
3	5	5	"	"	4		30.05	75	76	73	76	"	"	3	"
4	5	8	"	ESE	4		30.04	75	76	73	76	"	"	1	"
5	5	4	"	E	4		30.04	75	75	73	76	"	"	1	"
6	5	4	"	"	4		30.04	75	75	73	76	"	"	3	" Set mainsail
7	4	8	"	"	4		30.06	75	75	74	76	"	"	2	"
8	4	2	"	"	4		30.08	75	75	74	76	"	"	1	"
9	4	0	"	E by S	3-4		30.09	75	75	74	76	op	Cum Nimb	1	" All plain sail except
10	4	5	"	E	4-5		30.09	75	75	74	76	o	"	0	" fly jib & F.T.M. staysail
11	5	5	"	"	5		30.08	75	75	74	76	"	"	0	"
Noon	6	2	"	"	4-6		30.09	75	75	74	76	bc	"	2	"

[Note in left margin at 8 AM reads: S 17° 13' W 20° 27']

Distance run by Log since preceding Noon	115 knots	Tenths 3 fathoms		
Latitude by D. R. at Noon	S 17 °	2	'	"
Longitude by D. R. at Noon	W 23 °	40	'	"
Latitude by Observations at Noon ⊕	S 17 °	14	'	"
Longitude by Chronometer from Forenoon Observations ⊕	W 23 °	48	'	30 "
Current during the time 0 knots 6 Tenths fms. per hour, setting to the	S. W. by S.			
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at 10 AM Lat S 17° 13' Long W 23° 38'	W 18 °	15	"	"
Water expended during the preceding 24 hours		250	gallons	
Water Condensed during the preceding 24 hours		900	"	
Water remaining on hand fit for use at noon		2750	"	
Coal consumed during the preceding 24 hours	tons	lbs.		
Coal remaining on hand at Noon	"	"		

[Note in left margin reads "Sg. 638"]

P,M															
1	4	6	WNW	E by S	3		30.07	76	80	76	76	bc	Cir Nimb	6	S All plain sail except
2	4	4	"	"	3		30.06	76	80	76	76	"	"	6	" fly. Jib and F.T.M.
3	4	2	"	"	2-3		30.06	76	80	76	76	"	"	6	" staysail.
4	4	4	"	"	3		30.05	76	79	76	76	"	"	6	"
5	5	5	"	"	4		30.06	76	77	75	77	o	"	0	"
6	5	0	"	ESE	4		30.06	75	77	74	77	"	"	0	" Same
7	3	6	"	E	4		30.04	75	77	74	77	bc	"	1	"
8	4	5	"	"	4		30.06	75	77	74	77	"	"	3	" Same.
9	5	5	"	E by N	3-6		30.09	75	77	74	77	bcq	Cir Cum Nimb	2	"
10	4	0	"	"	4		30.07	75	77	74	77	bc	"	3	"
11	6	0	"	E by S	4-6		30.09	75	77	74	77	bcq	"	1	"
Mid.	6	2	"	"	4-6		30.08	75	77	74	77	"	"	1	" Same.

[Note in left margin reads at 8 PM " S 17° 5' W 24° 27' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Tuesday, December 3rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Moderate breeze from E. by E.S.E. Sea smooth. Barometer falling slowly. On course W.N.W. At 12.30 stopped distilling and hauled fires. Density sea water 26.

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Pleasant. Moderate breeze from S. Cir. Cum. Nimb. clouds. At 5.30 set mainsail. Ship on the course under all plain sail except fly. Jib and fore topmast staysail. Density sea water 26

L. P. Jerrett
Master

From 8 to Merid. Overcast. Light passing showers first hour. Moderate to fresh breeze from E. On the course W.N.W. At 9.15 inspected at quarters. Exercised Co's A & B and Marine Guard at infantry. Inspected bags. Density sea water 26.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light to gentle breeze from E. by S. On course. At 1 exercised 1st Div firing at target with pistols. Density 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Overcast and pleasant. Moderate breeze from E. by S. and E.S.E. Barometer steady. Ship on course W.N.W. Density 26.

C. K. Curtis
Lieut

From 6 to 8 P.M. Cloudy. Pleasant. Moderate E[aster]ly breeze. Cir. cum. clouds. At sunset mustered at quarters. Ship on the course under all plain sail except flying jib and fore topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From 8 PM to Mid. Cloudy. Squally. Moderate to fresh breeze from E. by N. and E. by S. Ship on course W.N.W. Density sea water 26.

Sam. C. Lemly
Ensign

Moon's phase 2nd qr Dec. N. 7°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to MonteVideo, Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	5	8	WNW	ESE	5-4		30.06	76	77	75	77	bc	Cir Cum Nimb	6	S	All plain sail except fly.
2	6	0	"	"	4-5		30.05	75	76	75	77	"	"	6	"	jib & F.T.M. staysail
3	6	0	"	"	3-4		30.04	73	76	75	77	"	"	6	"	
4	5	8	"	"	3-4		30.04	75	76	75	77	"	"	6	"	
5	5	8	"	ENE	4		30.05	75	76	73	77	"	"	7	"	
6	5	0	"	"	4		30.07	75	76	73	77	"	"	3	"	
7	6	0	"	E	4-5		30.09	75	76	73	77	"	"	0	"	Same
8	6	0	"	"	4-5		30.10	75	77	74	77	o	"	5	"	
9	5	4	"	"	4		30.10	76	78	74	77	bc	"	7	"	Set flying jib
10	5	0	"	"	4		30.10	77	78	76	77	"	"	8	"	
11	4	7	"	"	4		30.10	77	78	76	77	"	"	2	"	
Noon	6	4	"	"	5-6		30.10	77	78	76	77	"	"	1	"	

[Notes on left margin reads: At 1 AM "Sg. 638"; at 3 AM S 17° 14' W 25° "]

Distance run by Log since preceding Noon	125 knots	Tenths 8 fathoms	
Latitude by D. R. at Noon	S 17 °	4 ' 20 "	
Longitude by D. R. at Noon	W 25 °	59 ' 30 "	
Latitude by Observations at Noon ⊕	S 17 °	14 ' 28 "	
Longitude by Chronometer from Forenoon Observations ⊕	W 26 °	13 ' "	
Current during the time 0 knots 7 Tenths five per hour, setting to the S.W. 1/2 W.			[Note in left margin reads "Sg 637"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. S 17° 14' Long. W 25° 50'	W 18 °	15 "	
Water expended during the preceding 24 hours		250 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		2500 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M

1	5	0	WNW	E	5		30.10	77	80	79	77	bc	Cir Cum Nimb	2	S	All plain sail except
2	4	0	"	"	4		30.07	77	80	79	78	"	"	7	"	fore topmast staysail
3	4	4	"	"	4		30.05	77	80	79	78	"	"	6	"	
4	5	5	"	"	4-6		30.08	77	79	78	78	"	"	5	"	
5	5	5	"	"	4		30.07	76	77	75	77	"	"	2	"	Hauled up mainsail
6	4	2	"	"	3-4		30.08	76	77	77	77	"	"	2	"	
7	4	2	"	ESE	3		30.08	76	78	75	78	"	"	7	"	Same.
8	5	0	"	"	4		30.09	77	78	75	78	"	"	8	"	
9	5	4	"	E	4		30.09	77	78	75	78	"	"	9	"	
10	4	8	"	"	4		30.09	77	78	75	78	"	"	9	"	
11	5	5	"	"	5		30.09	77	78	75	78	"	"	5	"	
Mid.	6	0	"	"	5		30.09	77	78	75	78	"	"	5	"	Same.

[Note in left margin at 8 PM "S 17° 11' W 26° 01' "]

Longitude by Chronometer from Afternoon Observations ⊕	o	'	"
Longitude by Chronometer Observations	o	'	"
Variation of the Compass by Amplitude observed at Sunset	o	'	"
Variation of the Compass by at	o	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, December 4th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Gentle to stiff breeze from E. by S. At 4 sighted a vessel on our port quarter, standing to North. On course W.N.W. Density 26.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Moderate breeze from E.N.E. & East. Barometer rising slowly. Sea smooth. Ship on course W.N.W. Sighted a sail at 6.30 from topsail yard two points abaft starboard beam, and lost sight of it soon afterwards. Density 26.

C. K. Curtis
Lieut

From 8 to Merid. Clear first two hours. Cloudy last two. Moderate breeze rising to fresh breeze from E. last hour. Cir. Cum. Nimb. clouds. At 8.15 set flying jib At 9.15 inspected at quarters, and exercised 1st & 2nd Div. at great guns Powder Div. at stations By order of Comdr. the following punishments was assigned Geo. H. Kahn (O.S. 2nd Cl) and James Sutton (2.C.F.) for sleeping on lookout, each 48 hours extra duty. Ship on the course under all plain sail except for topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy first hour. Clear remainder of watch. Warm. Moderate to fresh breeze from E. On the course W.N.W. Served out clothing. Density sea water 26.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Gentle to moderate breeze from E. At 4.50 hauled up mainsail. On course W.N.W. Density 26

C. B. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Gentle to moderate breeze from East & E.S.E. Ship on course W.N.W. At 6.30 mustered at quarters. Density 26

C. K. Curtis
Lieut

From 8 PM to Mid. Clear. Pleasant. Moderate to stiff breeze from the E. Bright moonlight Cir. Cum. Nimb. clouds. Ship in the course under all plain sail except fore topmast staysail and mainsail. Density sea water 26.

L. P. Jerrett
Master

Moon's phase 2nd qr Dec. N. 12°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to MonteVideo Uruguay

Hour.		Knots.		TENTHS		WINDS.		BAROMETER.		TEMPERATURE.		State of the Weather by symbols.		Forms of Clouds, by symbols.		Prop. of Clear Sky, in 10ths.		State of the Sea.		Record of the sail the vessel is under at end of watch.											
				Courses steered.		Direction.		Force.		Leeway.		Height in inches.		Ther. at'd.		Air Dry Bulb.		Air Wet Bulb.		Water at surface.		State of the Weather by symbols.		Forms of Clouds, by symbols.		Prop. of Clear Sky, in 10ths.		State of the Sea.			
A,M																															
1	5	6	WNW	E by S	5		30.09	78	77	76	77	bc		Cir Cum Nimb	5	M															
2	5	8	"	"	5-6		30.09	78	77	76	77	"	"	"	1	"															
3	6	6	"	E by S	5-6		30.09	78	77	76	77	"	"	"	7	"															
4	6	6	"	E by N	5-6		30.09	78	77	76	77	"	"	"	8	"															
5	6	0	"	"	4-5		30.06	76	77	75	77	"	"	"	2	S															
6	6	0	"	"	4		30.06	76	77	75	77	"	"	"	3	"															
7	6	5	"	"	4-5		30.09	76	77	75	77	"	"	"	2	"															
8	6	8	"	"	4-5		30.10	76	77	75	77	"	"	"	1	"															
9	5	2	"	"	4		30.12	76	79	76	77	"	"	"	1	"															
10	5	0	"	ENE	4		30.12	77	80	77	78	"	"	"	5	"															
11	4	3	"	"	3		30.13	78	81	78	79	"	"	"	3	"															
Noon	4	5	"	ESE	3		30.14	78	79	76	79	o	"	"	0	"															
[Note in left margin reads at 8 AM " S 17°10' W 28° 13' "]																															
Distance run by Log since preceding Noon												127 knots		Tenths 9 fathoms																	
Latitude by D. R. at Noon												S 17	°	3	'																
Longitude by D. R. at Noon												W 28	°	25	'																
Latitude by Observations at Noon ⊕												S 17	°	8	'	45	"														
Longitude by Chronometer from Forenoon Observations ⊕												W 28	°	33	'																
Current during the time 0 knots 4 Tenths 4.00 per hour, setting to the SW by W.												[Note in left margin reads "Sg. 627"]																			
Variation of the Compass by Amplitude ⊕ observed at Sunrise 9.30 AM Lat. S 17° 9' Long. W 28° 20'												W 17	°	15	"																
Variation of the Compass by Azimuth ⊕ observed at												°																			
Water expended during the preceding 24 hours												250 gallons																			
Water during the preceding 24 hours																															
Water remaining on hand fit for use at noon												2250 "																			
Coal consumed during the preceding 24 hours												tons		lbs.																	
Coal remaining on hand at Noon												"		"																	
P,M																															
1	0	8	WNW	ESE	2-3		30.10	78	81	77	79	bc		Cir Cum Nimb	5	S															
	3	0	wnw 1/2 w																												
2	4	2	"	"	4		30.10	78	81	77	79	"	"	"	4	"															
3	4	5	"	NE	4		30.10	78	80	77	79	"	"	"	4	"															
4	3	0	"	E	2-3		30.10	78	80	77	79	"	"	"	7	"															
5	1	5	"	SE	1-3		30.09	78	81	80	79	"	"	"	6	"															
6	2	6	"	"	2-3		30.10	78	81	80	79	"	"	"	2	"															
7	3	2	"	E by S	2		30.09	77	79	77	79	"	"	Cir Cum	4	"															
8	2	5	"	"	1-2		30.10	77	79	77	79	"	"	"	3	"															
9	2	2	"	SE	2		30.13	77	79	76	79	"	"	"	7	"															
10	3	0	"	"	2		30.13	77	79	75	79	"	"	"	7	"															
11	4	0	"	SSE	3		30.13	77	79	75	79	"	"	"	1	"															
Mid.	2	5	"	"	1-2		30.13	76	76	75	79	o	"	"	0	"															
[Note in left margin at 8 PM reads " S 17° 9' W 28° 39' "]																															
Longitude by Chronometer from Afternoon Observations ⊕												°																			
Longitude by Chronometer Observations												°																			
Variation of the Compass by Amplitude												observed at Sunset		°																	
Variation of the Compass by												at		°																	

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, December 5th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Stiff to fresh breeze from E. by S. and E. On the course W.N.W. Moon set at 2.05. At 3.50 set lee clew of mainsail. Density sea water 26.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Moderate to stiff breeze from E. by N. At 5.30 set weather clew of mainsail. Cir. Cum. Nimb. clouds. Smooth sea. Density 26.

C. B. T. Moore
Ensign

From 8 to Merid. Cloudy and pleasant. Gentle to moderate breeze from E.N.E. to E.S.E. Bar. rising slowly. On course. At 9.15 inspected at quarters. Exercised Co. A at single sticks. Density 25.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear. Warm. Moderate E.S.E. breeze shifting to N.E. and falling light Cir. cum. nimb. clouds. At 12.10 changed course to W.N.W 1/2 W. By order of Comdg. Officer J. B. Stanley (OS 2nd Cl.) was released from confinement his sentence by Sum. Court Martial having expired. Ship on the course under all plain sail except fore topmast staysail. Density sea water 26.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy. Pleasant. Light airs to gentle breeze from E, shifting at 5. to S.E. On the course W.N.W 1/2 W. At 4.15 took in flying jib and mainsail. Density sea water 26.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light breeze from E. by S. At 6.30 set mainsail. Clouds cir cum. Sea smooth. Density 26.

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy and pleasant. Light to gentle breeze from SE to SSE. Light sprinkling of rain last hour of watch. Barometer steady. Sea smooth. Ship on course. Density sea water 26.

C. K. Curtis
Lieut

Moon's phase 2nd qr Dec. N. 17°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena, to Monte Video, Uruguay.

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1	3	3	WNW 1/2 N	ESE	4-5		30.10	77	75	74	79	rqs	Cum Nimb	0	S All plain sail except fore
2	5	2	"	"	4-5		30.10	77	75	74	79	bc	"	4	" topmast staysail and
3	5	4	"	"	4-5		30.10	77	75	74	79	"	"	8	" flying jib.
4	5	0	"	"	4		30.07	77	75	74	79	"	"	9	"
5	4	4	"	"	4		30.07	77	75	74	79	"	"	8	"
6	4	6	"	"	4-5		30.07	77	77	75	80	"	"	5	"
7	5	0	"	"	5		30.06	77	77	75	80	"	"	6	"
8	4	6	"	"	5		30.10	77	77	75	80	"	"	5	" Same.
9	4	7	"	SE by E	3-4		30.10	77	77	75	80	"	"	5	"
10	4	2	"	"	3		30.12	78	78	76	80	"	"	6	" Set fore topmast staysail
11	4	0	"	"	2-3		30.12	79	81	77	81	"	"	8	" set flying jib.
Noon	4	0	"	"	2-3		30.12	80	83	78	81	"	"	8	"

[Note in left margin reads: At 1 AM "Sg 637"; at 6 AM " S 17°10' "]

Distance run by Log since preceding Noon	91 knots	Tenths 6 fathoms	
Latitude by D. R. at Noon	S 17 °	8	"
Longitude by D. R. at Noon	W 30 °	9	"
Latitude by Observations at Noon ⊕	S 17 °	12	"
Longitude by Chronometer from Forenoon Observations ⊕	W 30 °	27	"
Current during the time 0 knots 7 Tenths fms. per hour, setting to the	W by S.		[Note in left margin reads "Sg 636"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat s 17° 11' Long W 30°10'	W 15 °	45	"
Water expended during the preceding 24 hours		250 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		2000	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M															
1	4	1	W by N	ESE	3		30.12	80	83	78	81	bc	Cum Nimb	8	S
2	5	0	"	"	4		30.09	80	80	78	81	"	"	6	"
3	4	5	"	"	4		30.07	80	80	76	81	"	"	8	"
4	4	0	"	"	3		30.06	79	80	76	81	"	"	5	" All plain sail.
5	4	0	"	"	3		30.06	79	80	76	81	"	"	5	"
6	4	0	"	"	3		30.06	79	80	76	81	"	"	5	" Same
7	4	5	"	SE ENE	3-6		30.08	79	80	76	81	bcq	"	3	"
8	4	2	"	"	4		30.06	79	79	75	81	"	"	2	" Took in fly. Jib & F.T.M. staysail
9	3	6	"	ESE	2-3		30.05	78	79	76	81	bc	"	4	"
10	4	4	"	"	3-4		30.05	78	79	76	81	"	"	6	" Hauled up spanker and
11	5	4	"	"	3-4		30.05	78	79	76	81	"	"	6	" and[sic] gaff topsail.
Mid.	5	2	"	"	3-4		30.00	78	79	76	81	"	"	6	"

[Note in left margin at 8 PM reads "S17°16' W 31° 3' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Friday, December 6th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Squally and rainy the 1st hour, with light wind from S.S.W. Clear with moderate to stiff breeze from E.S.E. remainder of watch. Cum. Nimb. clouds. Moon set at 2.40 Ship on the course under all plain sail except fore topmast staysail and flying jib. Density sea water 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Clear. Warm. Pleasant. Moderate to stiff breeze from E.S.E. On the course W.N.W. 1/2 W. under all plain sail except flying jib and fore topmast staysail. Density sea water 26. at 8 made a sail one point abaft port beam.

Sam. C. Lemly
Ensign

From 8 to Merid. Clear and pleasant. Moderate to light breeze from S.E. by E. at 9.15 inspected at quarters. At 10.30 set F.T. staysail, at 11.00 set F. jib. Engaged overhauling deep sea sounding apparatus. Density 26. Sea smooth. On course W.N.W. 1/2 W. Under all plain sail. At 12 changed course to W. by N.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Gentle to moderate breeze from E.S.E. Barometer falling slowly. Sea smooth. On course W. by N. One sail in sight astern. Density 26.

C. K. Curtis
Lieut.

From 4 to 6 P.M. Clear. Pleasant. Gentle E.S.E. breeze. Cir. cum. nim. clouds. Ship on the course, under all plain sail. Density sea water 26.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy. Squally. Gentle to fresh breeze from S.E. shifting suddenly at 7 to E.N.E. On the course W. by N. At 6.30 took in flying jib, fore topmast staysail and mainsail. At sunset mustered at quarters. Density sea water 26.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant. Light to moderate breeze from E.S.E. At 8.15 took in spanker and gaff topsail. Bright moonlight. On course. Density 26.

C.B.T. Moore
Ensign

Moon's phase 2nd qr Dec. N. 21 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

Hour.	Knots. Fifteenth TENTHS		Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	5	5	W by N	ESE	4		30.00	78	79	75	81	bc	Cir Cum	7	S	All plain square sail
2	4	5	"	"	3		30.02	78	79	75	81	"	"	6	"	
3	5	0	"	"	4		30.03	78	78	75	80	"	"	7	"	
4	5	2	"	"	4		30.08	78	78	75	80	"	"	8	"	
5	5	2	"	"	4		30.10	78	78	75	80	"	"	9	"	
6	4	8	"	"	4		30.12	78	78	75	80	"	"	9	"	
7	4	6	"	"	4		30.07	78	78	76	80	"	Cum Nimb	6	"	Set mainsail, flying jib, spanker And gaff topsail.
8	5	4	"	"	5-6		30.07	78	78	76	80	"	"	2	"	
9	5	6	"	"	4-5		30.07	78	78	76	80	"	"	4	"	
10	6	2	"	"	5		30.06	78	78	76	80	"	"	3	"	
11	5	4	"	"	4		30.07	79	82	79	81	"	"	4	"	
Noon	5	6	"	E by N	5		30.07	79	82	78	81	"	"	6	"	Took in spanker and gaff topsail.

Distance run by Log since preceding Noon	115	knots		Tenths	
Latitude by D. R. at Noon	S 17	°	20	'	"
Longitude by D. R. at Noon	W 32	°	27	'	"
Latitude by Observations at Noon ☉	S 17	°	21	'	30 "
Longitude by Chronometer from Forenoon Observations ☉	W 32	°	36	'	30 "
Current during the time	knots	4	Tenths		
	fms. per hour, setting to the	W by S.			[Note in left margin reads "Sg. 636"]
Variation of the Compass by Amplitude ☉ observed at Sunrise		°		"	"
Variation of the Compass by Azimuth ☉ observed at 8 AM Lat S 17°20' Long W 32°12'	W 15	°	0	"	"
Water expended during the preceding 24 hours				250	gallons
Water	during the preceding 24 hours				"
Water remaining on hand fit for use at noon				1750	"
Coal consumed during the preceding 24 hours		tons			lbs.
Coal remaining on hand at Noon		"			"

P,M															
1	2	0	W by N	E	4-5	30.02	80	85	82	81	bc	Cir Cum	6	S	
2	5	4	W 1/2 N	"	4-5	29.99	79	82	79	81	"	"	8	"	Hauled down flying jib
3	5	0	"	"	3-4	29.97	79	82	79	81	"	"	8	"	
4	5	0	"	"	3-4	29.95	79	82	79	81	"	"	8	"	
5	5	0	"	"	3	29.95	78	81	78	81	"	"	9	"	Jib and all plain square sail
6	4	6	"	"	3	29.97	78	81	79	81	"	"	8	"	
7	4	8	"	"	4	29.95	78	81	79	81	"	"	8	"	
8	5	0	"	"	4	29.95	78	81	79	81	"	"	8	"	Same.
9	5	0	"	"	4	30.02	78	80	79	81	"	"	4	"	
10	4	6	"	"	4	30.01	78	80	79	81	"	"	6	"	
11	4	4	"	"	4	30.01	78	80	79	81	"	"	7	"	
Mid.	4	8	"	"	4	30.01	78	80	79	81	"	"	7	"	Same.
[Note in left margin at 8 PM reads "S.17°28' W.33°21' "]															
Longitude by Chronometer from Afternoon Observations ⊕											0	+	"		
Longitude by Chronometer Observations											0	+	"		
Variation of the Compass by Amplitude						observed at Sunset					0	+	"		
Variation of the Compass by						at					0	+	"		

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, December 7th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Gentle to moderate breeze from E.S.E.
Barometer falling slowly. On course W. by N. Moon set at 3.20. Density 26.

C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Pleasant. Moderate breeze from E.S.E. increasing to fresh breeze latter
part of watch. Cir. Cum. clouds. At daylight sighted a Barkentine on starboard bow, standing to
N. and E, also sighted a sail standing to the S. At 7.30 set mainsail, spanker, gaff topsail and
flying jib. Ship on the course. Density of sea water 26.

L. P. Jerrett
Master

From 8 to Merid. Cloudy. Warm. Pleasant. Moderate to gentle breeze from E.S.E. & E. by N. On
the course W by N. At 11.40 took in spanker and gaff topsail. Density sea water 26.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Stiff to gentle breeze from E. at 12.20 changed
course to W 1/2 N. At 1 hauled down flying jib. Density 26.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear and pleasant. Gentle breeze from East. Ship on the course W 1/2 N. At
4.30 sighted a sail, one point forward port beam, standing to N. & E. Density 25.

C. K. Curtis
Lieut.

From 6 to 8 P.M. Clear. Pleasant. Moderate E[aster]ly breeze. Cir Cum. clouds. At 6.20
mustered at quarters. Ship on the course under all square sail and jib. Density sea water 26.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant. Bright moonlight. Moderate breeze from E. On the
course W 1/2 N. Density sea water 26.

Sam. C. Lemly
Ensign

Moon's phase 2nd qr Dec. N. 24°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M															
1	4	8	W 1/2 N	E	2-3	29.98	78	80	78	80	bc	Cir Cum	8	S	All square sail and jib
2	4	4	"	"	2-3	29.95	78	80	78	80	"	"	8	"	
3	4	0	"	"	2-3	29.95	78	80	77	80	"	"	8	"	
4	4	0	"	"	2-3	29.95	78	80	77	80	"	"	7	"	
5	4	4	"	NE by E	2	29.96	78	80	77	80	"	"	7	"	
6	4	0	"	"	2	29.98	78	79	76	80	"	"	8	"	All plain sail except F.T.M.
7	4	2	"	"	3	29.99	78	79	77	81	"	"	8	"	staysail.
8	4	2	"	"	3	30.00	77	80	77	81	"	"	9	"	
9	3	5	"	"	3	30.02	77	80	77	81	"	"	9	"	
10	4	2	"	"	4	30.01	80	82	79	81	"	"	9	"	
11	3	2	"	"	4	30.01	81	82	79	81	"	"	9	"	Same
Noon	6	0	"	"	4	30.00	81	83	80	81	"	"	9	"	

Distance run by Log since preceding Noon	111 knots	Tenths 2 fathoms	
Latitude by D. R. at Noon	S 17 °	37	"
Longitude by D. R. at Noon	W 34 °	31	"
Latitude by Observations at Noon ⊕	S 17 °	45	"
Longitude by Chronometer from Forenoon Observations ⊕	W 34 °	33	" [Note in left margin reads "Sg.636"]
Current during the time 0 knots 3 Tenths fms. per hour, setting to the S by W.			
Variation of the Compass by Amplitude ⊕ observed at Sunrise		"	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. S 17°41' Long. W 34° 16	W 12 °	45	"
Water expended during the preceding 24 hours		250 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1500	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M															
1	5	0	W 1/2 N	NE	4	30.03	80	85	80	81	bc	Cir Cum	8	S	All plain sail except fore
2	5	2	"	"	4	29.96	80	83	81	82	"	"	9	"	topmast staysail
3	5	4	"	"	4	29.95	80	82	79	82	"	"	8	"	
4	5	2	"	"	4	29.95	80	82	79	82	"	"	8	"	
5	4	8	"	"	3	29.92	79	82	79	82	"	"	8	"	
6	4	7	W 3/4 N	"	3	29.93	79	83	81	82	"	"	8	"	
7	5	0	"	"	3	29.93	79	81	78	81	"	"	9	"	Same except
8	5	2	"	"	3	29.93	79	81	78	81	"	"	9	"	mainsail.
9	5	0	"	"	4	29.93	79	81	78	81	"	"	8	"	took in royals and
10	4	8	"	"	4	29.93	79	81	78	81	"	"	8	"	flying jib
11	4	8	"	"	4	29.93	79	81	78	81	"	"	8	"	Took in T.G. Sts and
Mid.	3	2	"	"	4	29.93	79	81	78	81	"	"	8	"	gaff topsail.

[Notes in left margin read: At 4 PM "S 17° 47' W 35°"; at 8 PM " S 17° 48' W 35° 21"; at 10 PM " Sg 635"]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. Scott Schley, U. S. Navy.
Sunday, December 8th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light to gentle breeze from East. On course W. 1/2 N. Bright moonlight. Smooth sea. Density 26.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Gentle breeze from N.E. by E. Sea smooth. Barometer rising slowly. At 5.15 set flying jib ~~and~~ spanker, and gaff topsail. At 6 sighted a sail ahead. Density sea water 25.

C. K. Curtis
Lieut.

From 8 to Merid. Clear. Pleasant. Moderate N.E. by E. breeze. Cir. Cum. clouds. At 9.20 Comdg. Officer inspected ship and crew at quarters and afterwards said prayers. At 10.10 E. T. Fenny (O.S.) fell overboard. Let go Life Buoy Lowered Life Boat. Hauled down head sails, and reef mainsail. Hove ship to with main topsail to mast. Picked up man, hoisted boat, made sail and stood on the course. Density sea water 26.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Warm. Moderate breeze from N.E. On the course W 1/2 N. Density sea water 26.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant. Gentle breeze from N.E. At 5 changed course to W. 3/4 N. Engaged in setting up deep sea sounding apparatus. Density 26.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Gentle breeze from N.E. Barometer steady. On course W. 3/4 N. Took in mainsail, put M mast and sail cover. Hoisted smoke stack. Density 26.

C. K. Curtis
Lieut.

From 8 PM to Mid. Clear. Pleasant. Bright moonlight. Moderate N.E. breeze. At 8.45 took in royals and flying jib. At 9.15 took in topgallant sails and gaff topsails. At 10 started fires in four boilers. At 11.45 got cast deep sea lead. 65 fathoms, no bottom. At 12 changed course to W.N.W. 1/2 W. Density sea water 26.

L. P. Jerrett
Master

Moon's phase 2nd qr Dec. N. 26 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena, to Monte Video, Uruguay

Hour.	Knots. TENTHS		Courses steered.	WINDS.		Laneway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	4	6	WNW 1/2 W	NE	5		29.95	78	81	79	81	bc	Cir Cum	7	S	Topsail, foresail jib
2	3	0	"	"	4-1		29.95	78	81	79	81	"	Cir Cum Nimb	4	"	and spanker
3	3	5	"	"	4		29.97	78	80	78	81	bcpq	"	3	"	
4	2	8	W by N	"	4		29.97	78	80	78	81	bcp	"	2	"	
5	5	5	"	"	4		29.96	79	80	78	81	bc	"	6	"	Furled all sail.
6	5	0	"	"	4		29.90	79	81	78	81	"	"	8	"	
7	4	9	"	"	4-5		29.92	79	81	78	81	"	"	8	"	Set spanker. Took in spanker.
8			Stopped to sound.	"	4-5		29.92	79	81	78	81	"	"	8	"	
9	2	3	E	"	4-5		29.93	80	82	78	81	"	"	7	"	
10	3	6	"	"	4-5		29.96	80	83	78	81	"	"	8	"	
11	2 1	1 0	" s 3/4 w	"	4		29.95	81	84	80	82	"	"	9	"	
Noon	5	3	W by N	N	4		29.95	81	84	80	82	"	"	9	"	

[Note in left margin at 8 AM reads " S 17° 54' W 36° 13' "]

Distance run by Log since preceding Noon	101 knots	Tenths 9 fathoms	
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ⊕	S 17 °	56 '	40 "
Longitude by Chronometer from Forenoon Observations ⊕	W 36 °	12 '	"
Current during the time knots			
Tenths fms. per hour, setting to the			
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 10 A.M. Lat. S 17 55 Long W. 36 8	W 12 °	30 "	"
Water expended during the preceding 24 hours		250 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1250 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note at left margin reads "Sg. 635"]

P,M																
1	2 1	0 6	S by W E by S	NNE	5		29.94	81	84	80	82	bc	Cir Cum Nimb	7	S	
2	4 1	7 4	"	"	5		29.94	81	84	80	82	"	"	7	"	Steaming under
3	1 2	0 2	s by w w by n	"	4		29.94	81	84	80	82	"	"	6	"	Four boilers.
4	1 1	8 8	" S by W	"	4		29.94	81	84	80	82	"	"	6	"	
5	3 2	2 2	SW 1/2 S	"	4		29.95	81	84	80	82	"	"	4	"	
6	5 3	3 3	"	"	3		29.95	81	84	80	82	"	"	7	"	Made all square sail.
7	3 5	5 5	"	"	2		29.93	81	83	81	82	"	Cir Cum	8	"	
8	3 4	4 4	"	"	2		29.93	81	82	80	81	"	"	8	"	
9	3 0	0 0	"	"	2		29.93	80	82	79	80	"	"	8	"	
10	3 0	0 0	"	NE	2		29.95	80	82	78	80	"	"	5	"	Jib and all square
11	3 0	0 0	"	"	2		29.97	80	81	78	80	"	"	8	"	sail.
Mid.	3 2	2 2	"	ne by e	2		29.97	79	81	78	80	"	"	7	"	

[Note in left margin at 8 PM reads " S 18° 02' W 36° 9' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

observed at Sunset
at

under the command of Commander W. S. Schley, U. S. Navy.
Monday, December 9th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear first hour. Cloudy remainder of watch. Passing showers last two hours. Moderate breeze from N.E. Moonlight. At 3 changed course to W. by N. Got soundings each hour. 90 fathoms, no bottom at 100 fms – 35 fms – and 27 fms, rocky bottom. Steam in four boilers. Pressure 30 lbs. Density sea water 26.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant. Moderate to stiff breeze from N.E. At 4.15 started ahead under steam. At 4.30 furled sail. At 5 sounded with deep sea lead, bottom at 30 fms, at 6, 28 fms; at 6.20 20 fms; character of the bottom white coral sand, at 7 no bottom at 100 fms. Immediately after commenced to sound with deep sea sounding apparatus, got bottom at 1536 fms. Character of sea bottom, coral mud with shell. At 7 set spanker, at 7.50 took in spanker. Density 26.

C. B. T. Moore
Ensign

From 8 to Merid. Clear and warm. Moderate breeze from N.E. and North. At 9 got cast of lead, no bottom at 60 fms. At 9.10 started ahead full speed, set course East. At 9.30 got a cast no bottom as before, started ahead full speed on course East at 9.37. At 10.05 got a cast, bottom at 30 fms, red coral. Stared ahead on course E. At 10.11 to 10.35 got cast – bottom at 29 fms, red coral and shells. Started ahead on course S 1/4 W. at 10.43. At 10.57 got a cast bottom at 29 fms, coral and mud. Started ahead on course W. by N. at 11.04. At 11.36 got a cast, bottom at 26 fms, white coral shell and mud. Started ahead at 11.35, on course W by N. Got a cast at 12.07, no bottom at 45 fms. Started ahead at 12.08 on course S by W. Set up backstays, fore and aft stays of R & T G masts. At 8.23 changed course to East. Density 25.

C. K. Curtis
Lieut.

From Merid. to 4 P.M. Clear. Warm. Moderate breeze from N.N.E. Cir Cum clouds. At 12.31 got cast, 75 fms, no bottom. At 12.40 started ahead E. by S. At 1.12 got cast, 75 fms, no bottom. At 1.17 started ahead E. by S. At 1.43 got cast in 33 fms, white coral sand and green weeds. At 1.47 started ahead E. by S. At 2.12 got cast in 30 fms, yellow, red and blue coral mud. At 2.21 started ahead S. by W. At 2.31 got cast in 31 fms, white and red coral. At 2.38 started ahead W. by N. Stopped 7 minutes, wheel ropes slack. At 3.15 got cast 60 fms, no bottom. Set spanker and got cast with sounding in, at 5, 42 fms, coral sand. At 3.49 started ahead S. by W. At 4.00 got cast 75 fms, no bottom. Steaming under 4 boilers. Av. st. pressure 60 lbs. Rev. 42.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy. Pleasant. Moderate breeze from N.N.E. Steaming with 4 boilers. At 4.06 started ahead full speed. On course E. by S. Ran 1.6 miles and at 4.15 got a cast of lead, no bottom at 70 fms. Started ahead at 4.29. Ran 1.6 miles E. by S. and got a cast. No bottom at 75 fms. At 4.50 started ahead on course S.W. 1/2 S. Made all square sail. At 5.45 got a cast. No bottom at 75 fms. Allowing fires to die out. Steam pressure 30 lbs. Rev. 40. Density sea water 26.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Clear and pleasant. Light breeze from N.N.E. At 6.10 stopped steaming. Uncoupled propeller. Hauled fires from under two boilers. Lowered smoke shack. Sent down yard covers. Bright moonlight. Density 26.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear and pleasant. Gentle breeze from N.N.E. to N.E. by E. Barometer rising slowly. Ship on the course S.W. 1/2 S. Fires banked in two boilers. Distilling.

C. K. Curtis
Lieut.

Moon's phase 3rd qr Dec. 27 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay.

Hour.	Knots. Fathoms TENTHS		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbol s.	Forms of Clouds, by symbols.	Prop. of Clear Sky in percent.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	3	0	SW 1/2 S	N by E	2-3		29.97	79	80	78	80	bc	Cir Cum	9	S	All square sail and jib
2	2	4	"	"	2-3		29.97	79	80	78	80	"	"	7	"	
3	2	4	"	"	2		29.97	79	80	78	80	"	"	8	"	
4	2	2	"	"	2		29.95	79	80	78	80	"	"	7	"	
5	2	0	"	E	2		29.95	79	80	78	81	"	Cir Cum Nim	8	"	
6	2	5	"	"	2		29.96	79	80	78	81	"	Cir Cum	8	"	
7	3	0	"	"	3		29.97	79	80	78	81	"	"	7	"	Same
8	3	0	"	"	3		29.96	79	80	79	81	"	"	7	"	Set spanker, gaff topsail and lee clew of mainsail and flying jib.
9	2	0	"	ENE	2		30.00	81	83	79	81	"	"	9	"	
10	2	4	"	"	1-2		30.03	81	84	80	81	"	"	9	"	
11	1	0	"	"	0-1		30.03	82	86	82	81	"	"	9	"	
Noon	1	0	"	"	0-1		30.03	82	88	83	81	"	"	9	"	

Distance run by Log since preceding Noon	68 knots	Tenths 6 fathoms	
Latitude by D. R. at Noon	S 18 °	47 '	"
Longitude by D. R. at Noon	W 36 °	30 '	"
Latitude by Observations ⊕	S 19 °	1 '	"
Longitude by Chronometer from Forenoon Observations ⊕	W 36 °	36 '	"
Current during the time 0 knots 6 Tenths fms. per hour, setting to the	S.S.W.		[Note in left margin reads "Sg. 635"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. 18° 54' Long 36° 32'	W 10 °		"
Water expended during the preceding 24 hours		250 gallons	
Water Condensed during the preceding 24 hours		600 "	
Water remaining on hand fit for use at noon		1600 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M																
1	0	5	SW 1/2 S	ENE	0-1		30.03	82	88	86	81	bc	Cir Cum	9	S	All plain sail except F.T.M.
2	2	0	"	"	1		30.01	81	86	80	81	"	"	9	"	staysail and weather clew
3	2	2	"	"	1		30.00	81	85	80	81	"	"	9	"	of mainsail.
4	2	4	"	"	1-2		29.99	81	85	80	81	"	"	9	"	
5	2	8	"	"	2-3		29.99	81	84	80	82	"	"	9	"	
6	3	2	"	"	3		29.99	81	84	80	82	"	"	9	"	Same
7	2	5	"	"	1-2		29.99	81	84	80	81	"	"	9	"	
8	1	6	"	"	1-2		29.99	81	84	80	81	"	"	6	"	Same
9	1	4	"	"	1		30.00	81	82	78	81	"	"	9	"	
10	1	6	"	"	1		30.00	80	81	78	80	"	"	9	"	
11	2	2	"	"	1		30.00	80	81	78	80	"	"	9	"	
Mid.	2	4	"	"	2		30.00	80	81	78	80	"	"	9	"	Same
[Note in left margin at 8 PM reads " S 19° 16' W 36° 45' "]																
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"		
Longitude by Chronometer Observations												°	'	"		
Variation of the Compass by Amplitude												°	'	"		
Variation of the Compass by												°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, December 10th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Light N.E. by E. breeze. Bright moonlight. Cir. Cum. clouds. Ship on the course, under all plain square sail and jib. Fires banked in two boilers. Distilling. Density sea water 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Light to gentle breeze from E. On the course S.W. 1/2 S. Fires banked in two boilers. Distilling. Density sea water 26. Moon set at 5.35.

Sam. C. Lemly
Ensign

From 8 to Merid. Clear and pleasant. Light breeze to light airs from E.N.E. At 8.05 set spanker, gaff topsail, flying jib and lee clew of mainsail. At 9.15 inspected at quarters. Exercised Co. A at target practice. On course S.W. 1/2 S. Distilling. Density sea water 26.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and warm. Light airs to light breeze from E.N.E. Ship on the course S.W. 1/2 S. Shifted main tacks and sheets to foresail and fore tacks and sheets to mainsail. One sail in sight on port beam. Density sea water 25. Fires banked in two boilers. Distilling.

C. K. Curtis
Lieut.

From 4 to 6 P.M. Clear. Warm. Gentle breeze from E.N.E. Cir. Cum. clouds. Ship on the course, under all plain sail except fore topmast staysail and weather clew of mainsail. Fires banked in two boilers. Distilling. Two sails in sight, one on port beam, other on starboard quarter. density sea water 25.

L. P. Jerrett
Master

From 6 to 8 P.M. Clear and pleasant. Light breeze to light airs from E.N.E. On course S.W. 1/2 S. At 6.30 mustered at quarters. Moon rose at 7.38. Fires banked in two boilers. Distilling. Density of sea water 25.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant. Light airs to light breeze from E.N.E. Moonlight. On course S.W. 1/2 S. Distilling. Density 26.

C. B. T. Moore
Ensign

Moon's phase 3rd qr Dec. N. 26 °.

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay.

Hour.	Knots. TENTHS		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	1	8	SW 1/2 S	ENE	1		30.00	80	80	77	81	bc	Cir Cum	9	L	All plain sail except
2	1	2	"	"	1		29.99	80	80	77	81	"	"	9	"	F.T.M. staysail and weather
3	1	4	"	"	1-2		29.98	79	79	77	81	"	"	9	"	clew of mainsail.
4	2	0	"	"	1-2		29.98	79	80	77	81	"	"	9	"	
5	1	5	"	"	1-2		29.98	79	80	77	81	"	"	9	"	
6	2	0	"	"	2		29.98	79	80	77	81	"	"	9	"	
7	2	8	"	"	2		29.99	79	80	77	81	"	"	9	"	
8	2	8	"	"	2		30.00	79	80	77	81	"	"	9	"	Same
9	2	5	"	"	2		29.99	79	82	80	81	"	"	9	"	All plain sail except
10	3	0	"	"	2-3		30.00	79	84	80	81	"	"	9	"	F.T.M. staysail.
11	2	8	"	"	3		30.02	79	85	80	81	"	"	9	"	
Noon	2	4	"	"	2		30.02	79	86	81	81	"	"	9	"	

Distance run by Log since preceding Noon	51 knots	Tenths 0 fathoms	
Latitude by D. R. at Noon	S 19 °	45 ' "	
Longitude by D. R. at Noon	W 37 °	4 ' "	
Latitude by Observations at Noon ⊕	S 19 °	57 ' 45 "	
Longitude by Chronometer from Forenoon Observations ⊕	W 37 °	13 ' "	
Current during the time knots 6	Tenths 100 per hour, setting to the	SW by S	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 19° 47' Long W 37° 7'	W 8 °	45 "	" "
Water expended during the preceding 24 hours		400 gallons	
Water Condensed during the preceding 24 hours		800 "	
Water remaining on hand fit for use at noon		2000 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Notes in left margin reads: At 2 PM " S 20° W 37° 15' "; at 4 PM "Sg. 626"; at 8 PM "S 20°13' W 37° 22' "]

P,M																
1	1	5	SW 1/2 S	ENE	1-2		30.01	81	87	82	83	bc	Cir Cum	9	L	All plain sail except
2	1	4	"	"	1-2		30.00	81	86	82	83	"	"	8	"	F.T.M. staysail.
3	1	8	"	"	1-2		29.98	81	85	82	83	"	Cir Cum Nimb	6	"	
4	1	6	"	"	1-2		29.97	81	85	82	83	"	"	6	"	
5	2	5	"	"	2		29.97	81	83	79	81	"	"	6	"	
6	2	6	"	"	2		29.97	81	83	79	81	"	"	5	"	Same.
7	2	7	"	NE	2		29.95	81	83	79	81	"	Cir Cum	6	"	Took in mainsail
8	2	8	"	"	2		29.95	81	83	79	81	"	"	6	"	
9	3	0	"	"	3		29.96	81	83	79	81	"	"	7	"	Took in flying jib.
10	3	0	"	"	3		29.97	81	82	78	80	"	"	7	"	
11	3	2	"	"	3		29.96	81	82	78	80	"	"	7	"	
Mid.	3	5	"	"	3		29.96	81	82	78	80	"	"	7	"	
Longitude by Chronometer from Afternoon Observations ⊕												°	' "			
Longitude by Chronometer Observations												°	' "			
Variation of the Compass by Amplitude												°	' "			
Variation of the Compass by												°	' "			

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, December 11th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from E.N.E. Barometer falling slowly. Long swell from S.W. Bright moonlight. Two sail in sight one on stbd. bow, the other one point forward of the port beam. Fires banked in two boilers. Distilling. Density 25.

C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Warm. Light breeze from E.N.E. Cir cum. clouds. Ship on the course under all plain sail except fore topmast staysail and weather clew of mainsail. Three sails in sight, one on port beam, one two points on port bow, and one on starboard beam. Fires banked in two boilers. Av. st. pressure 25 lbs. Distilling. Density sea water 25.

L. P. Jerrett
Master

From 8 to Merid. Clear and warm. Light breeze from E.N.E. On the course S.W. 1/2 S. At 10 set weather clew of mainsail. At 9.15 inspected at quarters. Exercised Co. B. at target practice, with rifles. J.W. Powers (C.Top) fell overboard, but caught sea ladder and was hauled on board. Exchanged colors with an English barque. Three sail in sight standing to S. & W. Fires banked in two boilers. Distilling. Density sea water 25.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light airs to light breeze from E.N.E. On course S.W. 1/2 S. Density 25. Distilling. Long swell from S. & E.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear and pleasant. Light breeze from E.N.E. Barometer steady. Long swell from S. Several sails in sight. On course S.W. 1/2 S. Fires banked in two boilers. Distilling. Density 25.

C. K. Curtis
Lieut.

From 6 to 8 P.M. Clear. Pleasant. Light breeze from N.E. Cir. cum. clouds. At 6.45 took in mainsail. At sunset mustered at quarters. At sunset several sail in sight. Fires banked in two boilers. Distilling. Density 25.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant. Gentle breeze from N.E. Long swell from S. Bright moonlight. At 8.10 hauled down flying jib. Moon rose at 8.30. Fires banked in two boilers. Distilling. Density sea water 25. On the course S.W. 1/4 S.

Sam. C. Lemly
Ensign

Moon's phase 3rd qr Dec. N. 24°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena, to Monte Video, Uruguay.

Hour.	Knots. TENTHS		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	4	0	SW 1/2 S	NE	2-3		29.96	79	80	77	80	bc	Cir Cum	7	S	Ship under all plain
2	4	4	"	"	2-3		29.93	78	80	76	80	"	"	7	"	sail except mainsail
3	4	7	"	"	3		29.92	78	80	76	80	"	"	7	"	F.T.M. staysail and fly.
4	5	0	"	"	3		29.90	78	80	76	80	"	"	7	"	jib.
5	3	6	"	NNE	2-3		29.94	78	79	76	79	"	"	5	"	
6	3	8	"	"	2-3		29.95	78	79	76	78	"	"	2	"	
7	4	0	"	"	2-3		29.97	78	79	76	78	"	"	4	"	
8	3	7	"	"	2-3		29.97	79	81	78	78	"	"	7	"	
9	4	0	"	"	4		29.98	80	82	78	78	"	"	8	"	Set lee clew of mainsail
10	4	0	"	NNE	4		30.00	80	82	79	78	"	"	8	"	
11	4	2	"	"	4		30.00	81	81	79	78	"	"	8	"	
Noon	4	5	"	"	4		30.00	81	83	80	78	"	"	3	"	

Distance run by Log since preceding Noon	79 knots	Tenths 5 fathoms	
Latitude by D. R. at Noon	S 21 °	6	"
Longitude by D. R. at Noon	W 37 °	51	"
Latitude by Observations at Noon ⊕	S 21 °	25	"
Longitude by Chronometer from Forenoon Observations ⊕	W 38 °	1	"
Current during the time 0 knots 8	Tenths fms. per hour, setting to the S by W		
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 21° 7' Long W 37° 52'	W 8 °	10	"
Water expended during the preceding 24 hours		250 gallons	
Water during the preceding 24 hours		750	"
Water remaining on hand fit for use at noon		2500	"
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 PM reads " S 21° 51 W 38° 22' "]

P,M																
1	1	2	SW	N by E	4		29.99	81	84	80	79	bc	Cir Cum	3	L	Set flying jib and
2	5	4	"	"	4		29.96	81	84	80	80	"	"	3	"	weather clew of mainsail.
3	5	2	"	N	4		29.93	81	84	80	80	"	Cir Cum Nimb	2	"	
4	5	4	"	"	4		29.94	81	84	80	80	"	"	3	"	
5	4	8	"	NW	2-5		29.93	78	82	79	80	oqr	"	0	"	Furled royals, clew down T.G. sails. Hauled up mainsail. Took in spanker and gaff topsail. Stored fly jib.
6	2	5	"	N	1-2		29.93	78	80	78	78	bc	"	2	"	
7	2	1	"	NW	1-2		29.93	78	80	78	78	o	"	0	"	
8	3	5	"	"	3		29.93	78	79	77	78	bc	"	3	"	Took in royals and
9	3	5	"	"	3		29.93	78	79	77	78	"	"	3	"	flying jib. Set F.T.M.
10	1	6	"	"	1-2		29.93	78	79	77	78	"	"	4	"	staysail.
11	1	0	"	"	+1		29.94	78	79	77	78	"	"	5	"	
Mid.	1	0	"	"	0-1		29.95	78	79	77	78	"	"	5	"	Same.

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, December 12th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light to gentle breeze from E.N.E. Under all plain sail, except mainsail, F.T.M. staysail and F. jib. Bright moonlight. Density sea water 25. Distilling. Heavy swell from S. W. On course S.W. 1/2 S.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Light to gentle breeze from N.E. Barometer rising slowly. Long swell from N. & E. On course S.W. 1/2 S. Fires banked in two boilers. Distilling. Density 26.

C. K. Curtis
Lieut.

From 8 to Merid. Clear. Warm. Moderate N.N.E. breeze. Cir. cum. clouds. At 9.15 inspected at quarters and exercised Co. B. at single sticks. Ship on the course, under all plain sail except flying jib, fore topmast staysail and weather clew of mainsail. Fires banked in two boilers. Distilling. By order of Comdg. Officer W.H. Hasneer (Lds) was given 108 hours extra duty, - offense disrespect to officer of berth deck and dirty mess gear. Density sea water 25.

L. P. Jerrett
Master

From Merid. to 4 P.M. Cloudy and warm. Moderate breeze from N. by E. and N. At 12.15 changed course to S.W. At 12.45 set flying jib and weather clew of mainsail. Fires banked in two boilers. Distilling. Density sea water 25.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Overcast. Rain. Latter part cloudy and pleasant. At 4.20 furled royals and flying jib. Took in spanker and gaff topsail, & hauled up mainsail to [unreadable] squall. At 4.30 carried away lee leech of fore topsail. Unbent fore topsail, bent and set new one. At 5.10 made plain sail to royals, except fore topmast staysail and gaff topsail. Distilling.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light airs to gentle breeze from N.W. At 6.30 mustered at quarters. At 7.50 took in royals and flying jib, and hoisted fore topmast staysail. Stopped distilling. Density 25.

C. K. Curtis
Lieut

From 8 PM to Mid. Cloudy and pleasant. Gentle breeze from N.W. first hour, falling very light towards end of watch. Cir. cum. nimb. clouds. At 10 hauled fires. Ship on the course, under all plain sail to topgallant sails. Density sea water 26.

L. P. Jerrett
Master

Moon's phase 3rd qr Dec. N. 20°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay.

Hour.	Knots.	TENTHS.	WINDS.			BAROMETER.			TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.								
A,M																	Took in Top gallant sails and jib, and mainsail.		
1	3	0	S by E 1/2 E	SW by W	3-6	-	29.94	79	78	77	78	oq	Cir Cum Nimb	0	M		Took two reefs in		
2	2	0	SE by S	"	4-7	1	29.92	79	78	76	78	bcpq	"	1	"		topsails.		
3	1	3	SE	SW by S	5-7	1	29.92	79	78	76	78	bcq	"	1	"				
4	2	0	SE 1/2 E	SSW	4-6	1	29.93	79	78	76	78	"	"	1	"				
5	1	8	SE by E	"	4	-	29.93	78	77	75	78	oq	"	0	L				
6	0	5	S by W	N	4	-	29.96	75	74	73	78	or	"	0	"				
7	0	0	Drifting to the N & W	S & E	0-1	-	29.97	76	74	73	78	"	"	0	"		Set mainsail		
8	1	5	SW by W 1/2 W	S by E	4-5	-	29.98	76	75	73	78	ogr	"	0	"		Shook reef out of topsails set topsail.		
9	5	0	WSW	S	5	-	30.00	76	76	74	78	op	"	0	"		Set jib		
10	5	4	"	"	4-5	-	30.03	76	77	74	78	o	"	0	"		All plain sail except		
11	4	5	SW by W 1/2 W	SE by E	4-5	-	30.04	76	77	74	78	o	"	0	"		royals and fly. jib.		
Noon	4	8	"	"	4-5	-	30.04	76	7	74	78	op	"	0	"				
[Note in left margin at 9 AM reads " S 22° 8' W 38° 32' "]																			
Distance run by Log since preceding Noon											72 knots		Tenths 3 fathoms.						
Latitude by D. R. at Noon											S 22 °		16 ' "						
Longitude by D. R. at Noon											W 38 °		38 ' "						
Latitude by Observations at Noon ⊕											S 22 °		11 ' "						
Longitude by Chronometer from Forenoon Observations ⊕											W 38 °		45 ' "						
Current during the time			knots			Tenths fms. per hour, setting to the													
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°		" "					[Note in left margin reads "Sg. 626"]	
Variation of the Compass by Azimuth ⊕ observed at											°		" "						
Water expended during the preceding 24 hours														250 gallons					
Water Condensed during the preceding 24 hours														400 "					
Water remaining on hand fit for use at noon														2650 "					
Coal consumed during the preceding 24 hours														tons		lbs.			
Coal remaining on hand at Noon														"		"			
[Note in left margin at 8 PM reads " S 22° 18' W 38° 24' "																			
P,M																			
1	1 2	8	sw by w 1/2 w e 1/2 s	SE by E	5		30.04	76	77	74	78	o	Cir Cum Nimb	0	L		All plain sail to		
2	5	8	"	"	5		30.02	76	77	75	78	"	"	0	"		topgallant sails.		
3	6	0	E 3/4 S	"	5		30.00	76	77	75	78	"	"	0	"				
4	5	8	E 1/2 S	"	5		30.00	76	77	75	78	"	"	0	"				
5	5	8	"	"	6		30.01	76	77	76	79	"	"	0	"		Same except gaff		
6	3 0	5	sw by w 1/2 e	SSE	6		30.01	76	77	76	79	"	"	0	"		Topsail.		
7	5	2	sw 1/2 w	"	5-6		29.99	76	77	75	79	oqg	"	0	M		Took single reef in		
8	5	6	"	"	5-6		30.00	76	77	75	79	"	"	0	"		topsails.		
9	5	3	SW	"	4-5		30.02	76	76	74	79	"	"	0	"		Jib, F.T.M. staysail		
10	5	0	sw 1/2 w	"	4-5		30.05	77	75	74	79	"	"	0	"		courses, single reefed		
11	4	0	"	"	3-5		30.04	76	75	74	78	o	"	0	"		topsails, T.G. sts. Spanker		
Mid.	4	8	"	"	3		30.04	76	75	74	78	"	"	0	"		and gaff topsail		
Longitude by Chronometer from Afternoon Observations ⊕											°		' "						
Longitude by Chronometer Observations											°		' "						
Variation of the Compass by Amplitude											observed at Sunset		°						
Variation of the Compass by											at		°						

under the command of Commander W. S. Schley, U. S. Navy.
Friday, December 13th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Squally. Damp. Obscure moonlight. Moderate to very fresh breeze from S.W. by W. shifting to S.S.W. By the wind on Stbd tack. At 1.10 took in T.G. sails and mainsail. Took two reefs in topsails and hauled down jib. Density sea water 25.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Overcast. Squally. Wet. Moderate breeze from S.S.W. Full and by. At 5 while wearing ship, received a light squall with heavy rain from N. same time wind shifting to N. brought ship to course S.W. At 6 wind falling to light airs from S.E. No steerage way. Drifting to N. & W. At 7 set mainsail. Shook reef out of topsails. Set T.G. sails and jib. Full and bye. Density 25.

C. B. T. Moore
Ensign

From 8 to Merid. Overcast and rainy. Moderate to stiff breeze from S. by E. & S. Barometer rising slowly. Long swell from S. At 9.30 inspected at quarters. Afterwards exercised at fire quarters. Times as follows 1st Div. 50 sec. Powder 1 m 55 sec. 2nd 1 m 20 sec. Engs. 1 m 35 sec. Secured in 1 m 15 sec. At 10 clewed down F.T.G. sail, mended the sail and set it at 11.30. Set gaff topsail and 11.00. Several sails in sight. Density 25.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Overcast. Cool. Stiff S[outher]ly breeze. Cir. cum. nimb. clouds. At 12.20 backed ship to E. At 2.30 spoken by Swedish Bark, standing to S. & W, she saluted by dipping colors. Gave her by Int. Code sigs. our longitude. Ship close hauled on starboard tack, under all plain sail to T.G. sails. Density sea water 25.

L. P. Jerrett
Master

From 4 to 6 P.M. Overcast. Cool. Fresh breeze from S by E. and S.S.E. Be the wind on stbd tack. At 5.30 win ship to S. & W. Took in gaff topsails. Density sea water 25.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Overcast. Squally. Gloomy. Stiff to moderate breeze from S.S.E. At 6.20 mustered at quarters. Immediately after called all hands, took single reef in topsails. Moderate sea. Density sea water 25. Full and by.

C. B. T. Moore
Ensign

From 8 PM to Mid. Overcast and pleasant. Squally and threatening weather first part of watch. Stiff breeze from S.S.E. first part gentle breeze latter part from S.S.E. Sea moderate. Moon rose at 10. Density 26.

C. K. Curtis
Lieut

Moon's phase 3rd qr Dec. N. 16 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to MonteVideo, Uruguay.

Hour.	Knots. TENTHS		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.		
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.							
A,M																		
1	3	5	SW 1/2 S	SSE	3		30.04	76	75	74	79	bc	Cir Cum Nimb	1	M	Jib, F.T.M. staysail courses		
2	3	0	SW	"	3		30.02	76	75	74	79	"	"	1	"	reefed topsails T.G. sails		
3	3	8	"	SE	3		30.02	76	75	74	79	"	"	2	"	and spanker.		
4	3	8	"	"	4		30.01	76	75	74	79	"	"	2	"			
5	3	5	"	"	3		30.01	76	76	75	79	"	"	2	"	Shook out reefs. Set royals And fly. jib.		
6	4	5	"	"	4		30.00	76	77	75	78	"	"	2	"	Jib.		
7	5	0	"	"	4		30.02	76	77	75	78	"	"	1	"	All plain sail.		
8	5	0	"	"	4		30.03	76	77	75	78	o	"	0	"			
9	5	0	"	SE by E	2-4		30.05	76	77	75	78	o	"	0	"	At 9.45		
10	3	0	"	"	1-2		30.07	76	77	76	78	ou	"	0	L	Clew down up royals hauled down fly. jib. Set royals and fly. jib.		
11	2	5	"	"	2		30.07	76	77	76	78	od	"	0	"			
Noon	3	8	"	"	2-3		30.05	75	77	76	78	"	"	0	"			
Distance run by Log since preceding Noon											106 knots	Tenths 8 fathoms.						
Latitude by D. R. at Noon											S 23 °	8	'	"				
Longitude by D. R. at Noon											W 39 °	10	'	"				
Latitude by Observations at Noon ⊕											°	'	"					
Longitude by Chronometer from Forenoon Observations ⊕											W 39 °	28	'	"				
Current during the time knots Tenth per hour, setting to the																		
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°	"	"	[Note in left margin "Sg. 626"]				
Variation of the Compass by Azimuth ⊕ observed at 9h 25m AM Lat. S. 25° 0' Long. W. 39° 23'											W 8 °	"	"					
Water expended during the preceding 24 hours											250 gallons							
Water during the preceding 24 hours											"							
Water remaining on hand fit for use at noon											2400 "							
Coal consumed during the preceding 24 hours											tons		lbs.					
Coal remaining on hand at Noon											"		"					
[Note in left margin at 8 PM reads "S 23° 29' W 39° 44" "]																		
P,M																		
1	3	5	SW	SE by E	2		30.06	76	77	75	78	od	Cir Cum Nimb	0	L	All plain sail except		
2	2	8	"	"	2		30.06	75	77	75	78	"	"	0	"	F.T.M. staysail.		
3	2	8	"	ESE	1-2		30.05	75	76	75	78	"	"	0	"			
4	3	2	"	SE by E	3		30.04	75	76	75	78	"	"	0	"			
5	4	2	"	ESE	3		30.02	75	76	75	78	"	"	0	"	All plain sail		
6	4	0	"	ENE	3		30.02	75	76	75	78	"	"	0	"			
7	2	8	"	"	2		30.01	75	76	75	78	or	"	0	"	Took in flying jib and F.T.M. staysail.		
8	2	2	"	"	2		30.01	75	76	75	78	"	"	0	"			
9	2	0	"	"	1-2		30.04	76	77	76	78	"	"	0	"	Took in spanker and gaff topsail.		
10	1	6	"	"	1		30.04	76	77	76	78	"	"	0	"			
11	2	0	"	"	1-2		30.05	76	76	75	78	bc	"	4	"			
Mid.	2	0	"	"	1		30.05	76	76	75	78	"	"	4	"			
Longitude by Chronometer from Afternoon Observations ⊕											°	'	"					
Longitude by Chronometer Observations											°	'	"					
Variation of the Compass by Amplitude											observed at Sunset			°	'	"		
Variation of the Compass by at											°	'	"					

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, December 14th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Pleasant. Gentle to moderate breeze from S.S.E. shifting to S.E. Ship on the course under courses, single reefed topsails, top gallant sails, jib, fore topmast staysail and spanker. Obscured moonlight. Density of sea water 26.

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy and pleasant. Gentle to moderate breeze from S.E. Ship on the course S.W. At 5 shook reefs out of topsails, set royals and flying jib. One sail in sight on weather bow. Density sea water 26.

Sam. C. Lemly
Ensign

From 8 to Merid. Overcast and pleasant. Latter part drizzling rain. Light airs to gentle breeze from S.E. by E. At 9.45 clewed ~~down~~ up royals, hauled down F. jib. Density sea water 26. On course.

C.B.T. Moore
Ensign

From Merid. to 4 P.M. Overcast. Drizzling rain during the watch. Barometer falling slowly. Long swell from S.E. On course S.W. Density 25.

C.K. Curtis
Lieut.

From 4 to 6 P.M. Overcast. Drizzling rain. Gentle E.S.E. breeze, shifting to E.N.E. Cir. cum. nimb. clouds. Ship on the course under all plain sail. Density sea water 25. Long swell from S. & E.

L. P. Jerrett
Master

From 6 to 8 P.M. Overcast. Rainy. Light breeze from E.N.E. Ship on the course S.W. At 6.30 took in flying jib and fore topmast staysail. Unbent staysail and bent new one. Moderate swell from S.E. Density sea water 25.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Overcast, disagreeable and wet. Latter part cloudy and pleasant. Light airs to light breeze from E.N.E. At 8.20 took in spanker and gaff topsail. Density sea water 25. On course S.W.

C. B. T. Moore
Ensign

Moon's phase 3rd qr Dec. N. 11 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
En. route from St. Helena to Monte Video, Uruguay.

Hour.				WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
Knots.	Force.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.								
A.M																	
1	1	5	SW	NNE	1	30.05	76	77	77	78	drg	Cum Nimb	0	M	Jib and all plain square		
2	3	4	"	NE	3	30.03	76	77	76	78	"	"	0	"	sail		
3	4	5	"	"	3	30.02	76	77	76	78	"	"	0	"			
4	4	6	"	"	3	30.01	76	77	76	78	og	"	0	"			
5	5	2	"	NE by N	4-5	30.00	76	77	76	78	opq	"	0	"			
6	5	0	"	"	4-5	30.00	76	77	76	78	op	"	0	"			
7	5	0	"	"	4	30.01	76	77	76	78	bc	"	1	"			
8	4	3	"	NNE	4	30.01	76	78	78	78	"	"	3	"	Set spanker and gaff topsail.		
9	5	6	"	"	5	30.02	76	78	78	78	"	Cir Cum Nimb	3	"	Set flying jib and fore topmast staysail.		
10	5	5	"	N	5	30.04	76	80	79	78	"	Cir Cum Str	5	"			
11	5	2	"	"	5	30.03	76	80	79	78	"	"	6	"			
Noon	5	2	"	"	4	30.04	76	80	79	78	"	Cir Cum	3	"	All plain sail		

[Note in left margin reads " S 23° 50' W 40° "]

Distance run by Log since preceding Noon	88 knots			Tenths 1 fathoms.
Latitude by D. R. at Noon	S 24 °	19	'	"
Longitude by D. R. at Noon	W 40 °	25	'	"
Latitude by Observations at Noon ☉		°	'	"
Longitude by Chronometer from Forenoon Observations ☉	W 40 °	28	'	"
Current during the time knots				Tenths fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ☉ observed at 8 A.M. Lat. 23° 50' Long. 40° 14'	W 7 °	15	"	"
Water expended during the preceding 24 hours				250 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for use at noon				2150 "
Coal consumed during the preceding 24 hours		tons		lbs.
Coal remaining on hand at Noon		"		"

[Note in left margin at 8 PM reads "S 24° 4' W 40° 45' "]

P,M															
1	4	4	SW	NNE	4	30.02	78	81	79	78	bc	Cir Cum	4	L	
2	3	9	"	"	3	30.00	79	83	80	79	"	"	6	"	
3	3	2	"	"	2	30.00	79	83	80	79	"	"	6	"	Hauled down and stowed fly, jib and fore topmast staysail
4	2	8	"	"	2	30.00	79	83	80	79	"	"	6	"	
5	2	7	"	NE	2	30.00	80	82	80	79	"	"	8	"	All plain sail except fly
6	3	6	"	"	2	30.00	79	82	80	79	"	"	6	"	jib, and fore topmast staysail
7	3	5	"	"	3	30.00	78	80	78	79	"	"	7	"	
8	4	0	"	"	3	30.00	78	80	78	79	"	"	7	"	
9	4	0	"	ENE	3	30.03	78	79	77	79	bcl	"	8	"	All square sail and jib. Set spanker. Took in spanker.
10	4	0	"	"	3	30.04	78	79	77	78	bc	"	7	"	
11	3	8	"	"	3	30.04	78	79	77	78	bcl	"	5	"	
Mid.	3	4	"	"	3	30.02	78	79	77	78	"	"	3	"	All square sail & jib.

Longitude by Chronometer from Afternoon Observations ⊕

Longitude by Chronometer Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, December 15th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Drizzling rain greater part of watch. Light airs first hour from N.N.E. gentle breeze rest of watch from N.E. Barometer falling slowly. On course S.W. Density 25.

C. K. Curtis
Lieut

From 4 to 8 A.M. Cloudy. Passing showers 1st part. Clearing up latter part of watch. Cum. nimb. clouds. Moderate to stiff breeze from N.E. shifting to N.N.E. At 7.30 set spanker and gaff topsail. On the course S.W.

L. P. Jerrett
Master

From 8 to Merid. Cloudy. Warm. Pleasant. Stiff breeze from N.N.E. and N. On the course S.W. At 8.50 set flying jib and fore topmast staysail. Loosed main trysail to dry. At 9.40 inspected division. At 9.30 Comdg. Officer inspected ship and crew at quarters. Afterwards read prayers. By order of Comdg. Officer Master L. P. Jerrett was suspended from duty to await action of Comdr. in Chief for being intoxicated at quarters. Density sea water 25.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Moderate to light breeze from N.N.E. At 2.30 hauled down and stowed F.T.M. staysail and F. jib. On course S.W. Barometer steady Density sea water 25.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear and pleasant. Gentle breeze breeze [sic] from N.E. Long swell from N.E. Ship on the course S.W. Density sea water 25.

C. K. Curtis
Lieut

From 6 to 8 P.M. Clear and pleasant. Gentle N.E. breeze. Cum. nimb. clouds. At sunset mustered at quarters. On the course under all square sail and jib. Density sea water 25.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear first part. Cloudy last hour. Pleasant. Gentle breeze from E.N.E. Occasional lightening to S. & E. Ship on the course S.W. At 8.20 set spanker. At 8.40 took in spanker. Moon rose at 11.35. Density sea water 25.

Asa Walker
Lieut

Moon's phase 3rd qr Dec. N. 5 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena, to Monte Video, Uruguay

Hour.	Knots. Fathoms TENTHS		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1	2	8	SW	ENE	2		30.00	77	78	77	78	bc	Cir Cum Nimb	6	S All plain sail except
2	3	2		"	2		29.99	77	78	77	78	"	"	4	" F. jib T.G.M. staysail, spanker
3	4	0		"	2-3		29.97	77	78	77	78	"	"	2	" and gaff topsail.
4	4	0		"	2-3		29.97	76	78	77	78	"	"	5	"
5	4	0		"	3		29.97	76	78	77	78	od	"	0	"
6	4	0		"	3		29.97	77	78	76	78	bc	"	8	" Jib, and all square sail.
7	4	0		"	3		29.98	78	79	77	78	"	"	9	"
8	4	0		"	3		29.99	78	80	79	78	"	"	9	"
9	4	3		"	4		29.99	79	81	79	78	"	"	8	"
10	4	5		"	4		30.00	79	82	80	78	"	"	8	"
11	3	6		"	3		30.00	79	83	80	78	"	"	8	" Same.
Noon	3	5		"	3		30.00	80	84	81	78	"	"	8	"

[Note in left margin at 3 AM reads " S 25° W 48° 1' "]

Distance run by Log since preceding Noon	89 knots		Tenths	
Latitude by D. R. at Noon	S 25 °	28	'	"
Longitude by D. R. at Noon	W 41 °	30	'	"
Latitude by Observations at Noon ⊕	S 25 °	29	'	"
Longitude by Chronometer from Forenoon Observations ⊕	W 41 °	37	'	"
Current during the time	knots		Tenths	
			per hour, setting to the	[Note in left margin reads " Sg 615"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at 80 Lat S 25° 17' Long W 41° 26'	W 5 °		"	"
Water expended during the preceding 24 hours			250 gallons	
Water during the preceding 24 hours			"	
Water remaining on hand fit for use at noon			1900	"
Coal consumed during the preceding 24 hours	tons		lbs.	
Coal remaining on hand at Noon	"		"	

[Note in left margin reads at 8 PM: Lat S 25° 48' Long W 41° 54']

P,M														S	
1	3	4	SW	ENE	3		30.00	80	86	8	78	bc	Cir Cum Nimb	7	" Jib and all square sail
2	3	2		NE by E	3		29.97	80	85	8	79	"	Cir Cum	8	"
3	3	4	"	"	3		29.95	80	84	8	79	"	"	9	"
4	3	2	"	NE	3		29.93	81	84	8	79	"	"	9	"
5	3	0	"	"	2		29.92	81	83	8	79	"	"	9	"
6	3	0	"	"	2		29.92	80	82	8	78	"	"	9	" Same
7	2	7	"	NE by E	2		29.92	79	80	78	78	"	"	2	"
8	2	6	"	"	2		29.95	78	80	78	77	"	"	2	"
9	3	5	"	ENE	3		29.95	78	80	78	77	"	"	7	" Set spanker.
10	4	0	"	"	3		29.95	78	79	78	77	"	"	9	" Took in spanker.
11	3	2	"	NE	2-3		29.95	78	79	78	77	bcw	"	5	"
Mid.	3	4	"	NNE	2-3		29.95	78	79	78	77	bcn	"	4	"
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"	
Longitude by Chronometer Observations												°	'	"	
Variation of the Compass by Amplitude												°	'	"	
Variation of the Compass by												°	'	"	

under the command of Commander W. S. Schley, U. S. Navy.
Monday, December 16th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light to gentle breeze from E.N.E. Obscured moonlight. Clouds cir. cum. nimb. Smooth sea. On course S.W. Density sea water 25.

C. K. Curtis
Lieut

From 4 to 8 A.M. Overcast and drizzling rain first hour. Clear rest of watch. Gentle breeze from E.N.E. On the course S.W. under jib and all square sail. Sea smooth. Density sea water 26.

Sam. C. Lemly
Lieut

From 8 AM to Merid. Clear. Warm. Moderate breeze from E.N.E. Cir. cum. nimb. clouds. At 9.15 inspected at quarters and exercised at General Quarters. Times as follows. Cast loose in 5 m 45 sec. Secured in 5.05. Ship on the course, under all square sail and jib. Density sea water 25.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and warm. Gentle breeze from E.N.E. to N.E. Ship on the course S.W. Density sea water 25.

C. K. Curtis
Lieut.

From 4 to 6 P.M. Clear and pleasant. Light breeze from N.E. Clouds cir. cum. On course S.W. Density of sea water 25.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Light breeze from N.E. by E. Barometer rising slowly. Sea smooth. At 6.30 mustered at quarters. Density sea water 25.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear. Bright starlight first part. Cloudy latter part of watch. Cir. cum nimb clouds. Heavy dew. Gentle breeze from E.N.E. shifting to N.N.E. At 8.20 set spanker. At 10.45 hauled up port clew of mainsail, and took in spanker. At 11.30 set port clew and hauled up starboard clew of mainsail. Ship on the course, under jib and all square sail except weather clew of mainsail. Density sea water 25. Barometer steady.

John Schouler
Lt. Comdr.

Moon's phase 3rd qr Dec. S. 1 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay.

		WINDS.			BAROMETER.		TEMPERATURE.									Record of the sail the vessel is under at end of watch.	
Hour.			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.		
Knots.	Fathoms.	TENTHS															
A,M																	
1	4	0	SW	NNE	3-4		29.90	78	79	77	77	bc	Cir Cum Str	2	S	Set weather clew of main sail and flying jib.	
2	4	8	"	NE by N	4		29.89	78	79	78	78	"	"	3	"		
3	4	6	"	"	4		29.86	78	79	78	78	o	"	0	"		
4	6	0	"	N by E	5		29.84	78	79	77	78	"	"	0	"		
5	6	6	"	N by W	5		29.80	76	78	76	78	bc	Cir Cum Nimb	2	"		
6	5	6	"	"	4		29.85	76	78	76	78	"	"	2	"		
7	4	5	"	"	4		29.86	76	79	77	78	"	"	2	"		
8	3	8	"	"	3		29.87	77	80	77	78	"	"	2	"		
9	3	0	"	"	2		29.88	77	80	78	77	o	"	0	"		
10	2	0	"	"	1		29.88	78	81	79	77	"	"	0	"		
11	1	6	"	"	0-1		29.89	78	81	79	77	"	"	0	"		
Noon	1	0	"	"	0-1		29.90	79	82	80	77	"	"	0	"	All plain sail except fore topmast staysail.	
Distance run by Log since preceding Noon											89 knots		Tenths fathoms.				
Latitude by D. R. at Noon											S 26	°	31	'	42	"	
Longitude by D. R. at Noon											W 42	°	34	'	00	"	
Latitude by Observations at Noon ⊕												°		'		"	
Longitude by Chronometer from Forenoon Observations ⊕											W 42	°	39	'	42	"	
Current during the time											knots		Tenths fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise												°		"		"	
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 26° 27' 30" Long W 42° 34' 112"											3	°	30	"	W	"	
Water expended during the preceding 24 hours											250 gallons						
Water during the preceding 24 hours											"						
Water remaining on hand fit for use at noon											1650 "						
Coal consumed during the preceding 24 hours											tons		lbs.				
Coal remaining on hand at Noon											"		"				
P,M																	
1	1	2		NNW	0-1		29.90	79	82	80	78	bc	Cir Cum Nimb	2	S	All plain sail except	
2	2	0		"	1		29.87	79	82	80	78	"	"	2	"	Fore topmast staysail.	
3	2	2		"	0-1		29.85	79	82	80	78	"	"	2	"	Took in mainsail.	
4	1	8		"	0-1		29.85	78	81	79	78	"	"	1	"		
5	0	8		WSW	0-1		29.84	78	81	80	78	op	"	0	"		
6	0	5		Calm	0		29.85	78	81	80	78	bc	"	1	"		
7	No steerageway			"	0		29.85	78	81	79	78	bct	"	1	"		
8	3	0		"	0		29.87	78	81	79	78	bcpt	"	1	"	Furled all sail.	
9	8	0		SW	0-1		29.89	78	81	79	78	bc	"	1	"	All fore and aft Sails	
10	8	5		S	3		29.92	78	79	77	78	o	"	0	"		
11	8	0		SSW	3		29.92	78	78	75	78	"	"	0	"		
Mid.	8	5		"	3		29.92	77	77	75	78	"	"	0	"		
[Note in left margin reads: Lat S 26° 39' 30" Long W 42° 47' 30"]																	
Longitude by Chronometer from Afternoon Observations ⊕												°		'	"		
Longitude by Chronometer Observations												°		'	"		
Variation of the Compass by Amplitude											observed at Sunset						
Variation of the Compass by											at						

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, December 17th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy first two, overcast last two hours. Moderate to stiff breeze swinging from N.N.E. to N. by E. Obscured moonlight. On the course S.W. Moon rose at 12.15. At 5.25 set flying jib and weather clew of mainsail. Density sea water 25.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Stiff to gentle breeze from N. by W. On course S.W. Clouds cir cum nimb. Heavy scud from W. Density sea water 25.

C. B. T. Moore
Ensign

From 8 to Merid. Overcast and warm. Light breeze to light airs from N. by W. Barometer rising slowly. Sea smooth. At 9.15 inspected at quarters. Drilled Co. B. at small arms. Density sea water 25.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Cloudy. Warm. Very light breeze from N.N.W. Cir. cum. clouds. At work on quarter deck awning. On the course under all plain sail, except for topmast staysail. Density sea water 25.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Overcast with passing showers first hour. Cloudy last hour. Light airs varying from N.N.W. to W.S.W. On the course. At 4.50 took in and furled mainsail. At 5 started fires in six boilers. Density sea water 25.

C. B. T. Moore
Ensign.

From 6 to 8 P.M. Cloudy and pleasant. Calm. At 6.30 mustered at quarters. At 7.30 coupled propeller. Furled sail. Started ahead under steam. Steam in six boilers. Average rev. 45. Steam pressure 50 lbs. Thunder and lightening to N. latter part of watch. Density sea water 25.

C. K. Curtis
Lieut.

From 8 PM to Mid. Overcast and pleasant. Damp. Gentle breeze from S. & S.S.W. At 10.30 sent down light yards. At 11 set all fore and aft sail. Steam in six boilers. Av. st. pressure 50 lbs. Rev. 48. Density sea water 25.

Sam. C. Lemly
Ensign

Moon's phase last qr Dec. S. 8 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1	8	8	SW	S	3		29.92	76	76	75	77	bc	Cir Cum	4	S All fore and aft sail.
2	9	0	"	"	3		29.88	76	76	75	77	"	"	3	"
3	9	3	"	"	3		29.88	76	76	75	77	"	"	3	"
4	9	2	"	"	3		29.90	76	76	75	77	"	"	4	"
5	8	8	"	S by W	3-2		29.92	76	75	74	76	"	"	3	" Took in flying jib and
6	8	4	"	S	4		29.89	76	75	74	76	"	"	3	" gaff topsail.
7	8	6	"	S by W	3		29.92	76	75	74	75	"	"	7	"
8	8	2	"	SSW	3		29.92	76	75	74	75	"	Cum	9	"
9	8	0	"	"	3		29.92	75	74	71	75	"	"	9	"
10	8	0	"	"	3		29.92	74	74	71	74	"	"	9	" Took in F.T. M. staysail, jib,
11	8	0	"	SW by S	3		29.94	75	75	71	74	"	"	9	" & spanker.
Noon	8	2	"	"	3		29.94	75	76	73	74	"	"	9	"

Distance run by Log since preceding Noon	147 knots	Tenths	0	fathoms.	
Latitude by D. R. at Noon	S 28 °	20	'		"
Longitude by D. R. at Noon	W 44 °	30	'		"
Latitude by Observations at Noon ⊕	S 28 °	25	'	34	"
Longitude by Chronometer from Forenoon Observations ⊕	W 44 °	34	'	30	"
Current during the time knots					
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"		"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 35° 2' Long W 44° 10	W 2 °	20	"		"
Water expended during the preceding 24 hours				250	gallons
Water during the preceding 24 hours					"
Water remaining on hand fit for use at noon				1400	"
Coal consumed during the preceding 24 hours		tons		lbs.	
Coal remaining on hand at Noon		"		"	

[Notes in left margin reads: At 5 PM "S 28° 52' W 45°"; at 8 PM "S 29° 8' W 45° 23' "; at 11 PM " Sg. 614"]

P,M															
1	2	1	SW	SW	3		29.94	76	77	74	74	bc	Cum	9	L
	6	4	sw 1/4 w	by S											
2	7	5	"	"	3		29.95	76	77	74	74	"	"	9	"
3	7	0	"	"	3		29.96	76	77	73	75	"	"	9	"
4	7	8	"	"	3		29.95	76	77	72	75	"	"	9	"
5	7	5	"	"	2		29.95	76	77	72	75	"	"	9	"
6	7	5	"	"	2		29.97	76	77	73	75	"	"	9	"
7	7	6	"	SSW	2		29.97	76	77	73	75	"	Cum Str	9	"
8	8	0	"	"	2		29.96	76	75	72	75	"	Cum	9	" M. trysail. Set jib
9	8	8	"	s by e	3		29.99	75	74	71	75	"	"	9	" and spanker.
10	9	0	"	"	3		29.99	74	74	71	75	"	"	7	" Set fore sail. Took in
11	9	0	"	"	3		30.00	73	73	70	75	"	"	7	" foresail.
Mid.	9	2	"	"	3		30.00	73	73	70	75	"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, December 18th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Gentle S[outher]ly breeze. Cir. cum clouds. At 2.10 gaff topsail. At 2.45 a very brilliant meteor passed across the eastern heavens. Ship on the course under fore and aft sail. Steaming ~~under~~ with six boilers. Av. st. pres. 60 lbs. Rev 55. Density sea water 25.

C. B. T. Moore
Ensign
~~Lieut~~

From 4 to 8 A.M. Cloudy first two hours. Clear last two. Pleasant. Gentle to moderate breeze varying from S. to S.S.W. On the course S.W. Steaming with six boilers. At 4.45 took in flying jib and gaff topsail. At 4.05 sighted a brigantine standing to N. & E., showing no lights. Av. steam pres. 60 lbs. Rev. 53. Density sea water 25.

John Schouler
Lt. Comdr.

From 8 to Merid. Clear and pleasant. Gentle breeze from S.S.W. latter part S.W. by S. At 9.45 hauled down and stowed F.T. staysail & jib; brailed up spanker. At 11 took in main trysail. Av. st. pres. 60. Rev. 54, 50, 50, 52. Density sea water 25.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Gentle breeze from S.W. by S. Long swell from S.W. Bar. steady. At 12.15 changed course to S.W. 1/4 W. Restowed the hold. Seaming with six boilers. Av. st. pres. 55. Rev. 49. Density sea water 25.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear. Pleasant. Light S.W[ester]ly breeze. Cum. clouds. Ship on the course. Steaming under six boilers. Av. st. pres. 60 lbs. Rev. 48. Density sea water 25.

C. K. Curtis
Lieut.

From 6 to 8 P.M. Clear and pleasant. Light breeze from S.S.W. On the course. Steaming with six boilers. At 6.20 set main trysail. At 6.30 mustered at quarters. Av. st. pres. 55. Rev. 46. 50. Density sea water 25.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant. Gentle breeze from S. by E. At 8.10 set jib and spanker. At 8.17 called to General Quarters. Engineers Div. reported ready 8.21. Powder 8.21.15., Nav. 8.24.20., 2nd 8. 24., 1st 8.25.50. Comdg. Officer inspected divisions at 8.45. Secured. At 9.15 set foresail. At 9.20 furled foresail. Av. st. pres. 55 lbs. Revs. 45. 52. 58. 50. Density sea water 25.

C. B. T. Moore
Ensign

Moon's phase last qr Dec. S. 12 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A,M																
1	8	5	SW 1/4 W	S by W	3		29.99	73	71	70	75	bc	Cum Nimb	9	S	Jib, main trysail and
2	8	4	"	"	3		29.96	73	71	70	74	"	"	3	"	Spanker.
3	8	0	"	"	2		29.96	73	71	69	74	"	"	6	"	
4	8	6	"	"	1		29.96	73	71	69	74	"	"	4	"	
5	8	4	"	s by e	2		29.98	73	71	69	74	"	"	8	M	
6	8	6	"	SSE	2		30.00	72	71	69	75	"	"	9	"	Set F. jib, topmast staysail,
7	8	6	"	"	2		30.00	72	71	69	75	"	"	6	"	and spanker.
8	9	0	"	"	2		30.00	72	71	69	75	"	"	8	"	
9	9	4	"	"	1-2		30.00	72	71	69	75	"	Cir Cum	3	"	
10	8	6	"	"	3		30.01	72	73	70	76	"	"	5	"	
11	8	8	"	"	3		30.02	72	74	72	76	"	"	9	"	All fore and aft sail.
Noon	8	5	"	"	3		30.02	72	74	72	76	"	"	9	"	

[Note in left margin at 6 AM reads "S 30° W 46° 48"]

Distance run by Log since preceding Noon	201 knots	Tenths 0 fathoms.	
Latitude by D. R. at Noon	S 30 °	42	"
Longitude by D. R. at Noon	W 47 °	22	"
Latitude by Observations at Noon ⊕	S 30 °	36	"
Longitude by Chronometer from Forenoon Observations ⊕	W 47 °	33	"
Current during the time	knots 5	per hour, setting to the	N. W. by W. [Note in left margin reads "Sg 603"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise			"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat S 30° 12' Long W 47° 3'	0 °	0	" 0 "
Water expended during the preceding 24 hours		250	gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon		1150	"
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin reads "S 31° 14' W 48° 21' "]

P,M																
1	7	0	SW 1/4 W	ESE	3		30.00	73	77	74	76	bc	Cir Cum	9	L	
2	6	6	"	E	3		29.98	74	77	75	76	"	"	9	"	
3	6	2	"	N	1-2		29.97	74	78	75	76	"	"	9	"	
4	6	4	"	"	1-2		29.94	74	79	77	76	"	"	9	"	All plain sail to royals except main sail.
5	6	8	"	"	2		29.91	75	78	75	77	"	"	6	"	Took M. F. jib, F.J. staysail
6	7	4	"	"	3		29.91	75	78	76	77	"	"	7	"	M. try sail, spanker and gaff topsail.
7	7	6	"	"	4		29.90	74	75	75	77	"	"	6	"	jib and all square sail.
8	8	5	"	"	4		29.88	74	76	74	77	"	"	6	"	Set spanker and gaff topsail.
9	8	8	"	"	4		29.88	74	76	74	77	"	"	8	"	
10	7	8	"	"	5		29.88	75	76	74	77	"	"	8	"	All plain sail except
11	7	0	"	"	5		29.88	75	75	73	76	bcl	"	8	"	flying jib and mainsail.
Mid.	7	6	"	"	5		29.87	75	74	72	76	"	Nimb	9	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, December 19th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Light airs to gentle breeze from S. by W. Bar. steady. Sea smooth. Steaming with six boilers. Av. st. pres. 60 lbs. Rev. 50. Density sea water 25.

C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Pleasant. Light S.S.E. breeze. Cum. nimb. clouds. At 5.40 set flying jib fore topmast staysail and gaff topsail. On the course. Steaming g under six boilers. Av. st. prs. 60 lbs. Rev. 50 1/2. Density sea water 25. Moderate swell from S.

John Schouler
Lt. Comdr.

From 8 AM to Merid. Cloudy first hour. Clear remainder of watch. Warm. Light airs from S.S.E. On the course. Steaming with six boilers. At 9.15 inspected at quarters. Exercised Co. B. at single sticks. Av. st. prs. 55 lbs. Rev. 49. Density sea water 25.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Light airs to light breeze from E.S.E, latter part shifting to E. then to N. At 1.00 sent up Royal and T.G. yards. At 3.00 made all plain sail to royals. At 3.30 took in spanker, gaff topsail, M. trysail, F. jib and F. J. staysail. Steaming with six boilers. Av. st. prs. 55 lbs. Rev. 48, 44, 37, 58. Density sea water 25. Long swell from S.E. Banked fires in two boilers.

C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy and pleasant. Light to gentle breeze from North. Bar. steady. Long heavy swell from S.S.W. On course, steaming with four boilers. Fires banked in two boilers. Distilling. Av. st. pres. 55 lbs. Rev. 38. Density sea water 25.

Sam. C. Lemly
Ensign

From 6 to 8 P.M. Clear. Pleasant. Moderate breeze from N. At 6.45 set spanker, gaff topsail, and main trysail. On the course under jib and all plain sail, except mainsail, with main trysail instead. Steaming with four boilers. Av. st. pres. 55 lbs. Rev. 40. Fires banked in two boilers. Distilling. Density sea water 25.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear and pleasant. Gentle to stiff breeze from N. Bar. falling slowly. At 9.30 banked fires in four boilers and uncoupled propeller. Set fore topmast staysail. Fires banked in 6 boilers. Distilling. Lightening to S. latter part of watch. Density sea water 25. By order of Comdg. Officer, master L. P. Jerrett was returned to duty.

C. K. Curtis
Lieut.

Moon's phase last qr Dec. S 19°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay

Hour.	Knots. TENTHS		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	7	4	sw 1/4 W	N	5-6		29.80	74	75	73	73	bcl	Cum	9	M	Under M trysail and all plain sail except flying jib Took in royals and T.G.M. gaff topsail.
2	7	2	"	"	5-6		29.77	73	74	72	73	"	"	9	"	
3	7	5	"	"	6		29.77	73	74	72	73	"	"	9	"	
4	8	2	"	"	6		29.76	73	73	72	73	"	"	9	"	
5	8	5	"	n by W	6-7		29.76	73	74	72	73	bc	Cir Cum	7	"	Set royals and gaff topsail. main trysail and all plain sail except F. jib & M. sail.
6	8	4	"	NNW	6-		29.76	73	74	72	74	"	Cir Cum	8	"	
7	8	0	"	NW by N	6		29.76	73	74	72	74	"	"	8	"	
8	7	8	"	"	6		29.77	73	74	72	74	"	"	9	"	
9	7	2	"	"	5		29.77	73	74	72	74	"	"	9	"	Took in royals, T.G. sails and foresail.
10	5	8	"	NW	4-5		29.77	73	74	72	74	"	"	9	"	
11	4	7	"	WNW	4		29.77	73	74	72	74	"	"	9	"	
Noon	3	5	SW	W by N	3		29.76	73	75	74	74	"	"	9	"	

[Note in left margin at 9 AM reads "S 32° 36' W 50° "]

Distance run by Log since preceding Noon	171 knots	Tenths 9 fathoms.	
Latitude by D. R. at Noon	S 32 °	27 ' "	
Longitude by D. R. at Noon	W 50 °	6 ' "	
Latitude by Observations at Noon ⊕	S 32 °	44 ' "	20 "
Longitude by Chronometer from Forenoon Observations ⊕	W 50 °	9 ' "	
Current during the time	knots 7	Tenths 400. per hour, setting to the S by W.	[Note in left margin reads "Sg 602"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		° "	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat. S 32° 30' Long W 49° 49'	E 2 °	20 "	"
Water expended during the preceding 24 hours		250 gallons	
Water during the preceding 24 hours		700 "	
Water remaining on hand fit for use at noon		1600 "	
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 PM reads "S 33° 25' W 51° 12' "]

P,M																
1	6	6	SW 1/2 W	SW	2		29.77	73	77	74	74	bc	Cir Cum	5	S	
2	9	0	"	"	2		29.77	73	78	76	74	"	"	3	"	
3	8	8	"	SW by S	2		29.76	73	78	76	74	"	"	1	"	
4	8	4	"	SSW	2		29.74	73	79	76	74	"	"	2	"	
5	9	0	"	Calm	0		29.75	75	77	75	74	"	"	4	"	
6	9	7	"	"	0		29.75	75	76	75	74	"	"	3	"	
7	9	0	"	S	0-1		29.73	74	74	74	74	o	Cir Cum Str	0	"	Set M. trysail.
8	8	5	"	Calm	0		29.74	74	74	70	74	ol	"	0	"	
9	8	6	"	W	5		29.73	73	73	72	74	"	"	0	"	Took in main trysail
10	8	2	"	"	0		29.74	73	73	72	70	"	"	0	"	Set jib and spanker
11	9	0	"	"	3		29.73	73	73	72	70	bcl	Cir Cum	6	"	Took in jib spanker and
Mid.	8	6	"	"	2		29.75	73	73	72	70	"	"	6	"	M. trysail.

Longitude by Chronometer from Afternoon Observations ⊕	° ' "	"
Longitude by Chronometer Observations	° ' "	"
Variation of the Compass by Amplitude observed at Sunset	° ' "	"
Variation of the Compass by at	° ' "	"

under the command of Commander W. S. Schley, U. S. Navy.
Friday, December 20th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Damp. Stiff to fresh N[orther]ly breeze. Cum. clouds. Heat lightening to the S and S by E. At 12.30 took in royals and gaff topsail. On the course, under main trysail and plain sail to T. G. sails, except mainsail. At 1.45 moon rose. Fires banked in six boilers. Distilling. Density sea water 25.

L. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Fresh breeze from N. by W. shifting to ~~N by W~~ NW x N. Ship on the course S.W. 1/4 W. At 6.10 set royals and gaff topsails. Sea moderate. Fires banked in six boilers. Distilling. Density sea water 25.

Sam. C. Lemly
Ensign.

From 8 AM to Merid. Clear and pleasant. Stiff to gentle variable breeze shifting from N.W by N. to W. by N. At 9.15 exercised at fire quarters, immediately after inspected divisions at quarters. Overhauling torpedo apparatus and testing connections. At 11.30 furled royals. At 11.55 T. G. sails and foresail. Density sea water 25. Fires banked under six boilers. Distilling.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Gentle breeze from S.W. to S.S.W. Bar. falling slowly. At 12.15 changed course to S.W. 1/2 W. At 12.15 furled topsails and started ahead ~~under~~ full speed. Steam in six boilers. Sent down royal yards scraped and slushed spars. Av. st. pres. 60 lbs. Rev. 54. Density sea water 25.

C. K. Curtis
Lieut

From 4 to 6 P.M. Cloudy. Hazy. Calm. On the course. Steaming under six boilers. Av. st. pres. 60 lbs. Rev. 54.

L. P. Jerrett
Master

From 6 to 8 P.M. Overcast. Pleasant. Calm and light airs from S. On the course S.W. 1/2 W. Steaming with six boilers. At 6.40 set main trysail. At 7.55 got cast of seep sea lead, no bottom at 50 fms. Av. st. pres. 60 lbs. Rev. 52. Lightening to N. & W. last hour. Bent both lower chains. Distilling.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Overcast latter part, clear and pleasant. Stiff to light breeze from W. Continuous flashes of lightening in S.W. horizon. ~~At 8 set jib and spanker~~ At 8 took in fore trysail. At 8.20 set jib M. Top sail & spanker. At 11.30 took in jib, spanker and main trysail. Density of sea water 20. Steaming. Average pressure 60 lbs. Revs. 47. 52. 54. 54. At 10 cast the deep sea lead, no bottom at 50 fms. At 12 made another cast, no bottom at 50 fms.

C. B. T. Moore
Ensign

Moon's phase last qr Dec. S. 20°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena to Monte Video, Uruguay

Hour.	Knots.	Fathoms TENTHS	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A,M															
1	9	2	sw 1/2 w	sw by s	1	29.73	75	72	71	70	bclw	Cum Nimb	9	S	
2	10	0	"	"	1	29.74	73	72	71	70	"	"	9	"	
3	8	0	"	"	1	29.75	71	72	71	70	"	"	4	"	
4	8	8	"	"	1	29.75	73	72	71	70	"	"	9	"	
5	8	0	"	"	2	29.75	71	71	69	70	bcm	"	9	"	
6	7	8	sw by w	"	2	29.77	70	71	69	70	"	"	9	"	Set main trysail.
7	7	4	"	sw	5	29.78	68	68	67	70	F*	"	-	"	
8	4	5	sw 1/2 w	sw by s	5	29.78	67	64	64	70	"	"	-	"	
9	4	2	sw by w	"	3	29.80	66	65	65	70	bcl	Cum	2	"	
10	6	0	sw by w 1/2 w	"	2	29.81	67	66	66	70	"	Cir Cum	4	"	
11	7	2	sw 1/2 w	ssw	3	29.80	66	66	66	70	bcl	"	9	"	Set jib and spanker.
Noon	9	0	"	"	3	29.79	66	68	68	70	"	"	9	"	
Distance run by Log since preceding Noon										92 knots	Tenths 5 fathoms.				
Latitude by D. R. at Noon										S 34 °	26	'	"		
Longitude by D. R. at Noon										W 53 °	22	'	"		
Latitude by Observations at Noon ⊕										S 34 °	24	'	30	"	
Longitude by Chronometer from Forenoon Observations ⊕										W 53 °	21	'	"		
Current during the time			knots	Tenths per hour, setting to the											
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°	"	"		
Variation of the Compass by Azimuth ⊕ observed at 9.30 AM. Lat S 34° 20' Long W. 52 ° 59'										E 6 °	30	"	"		
Water expended during the preceding 24 hours													300	gallons	
Water Condensed during the preceding 24 hours													300	"	
Water remaining on hand fit for use at noon													1600	"	
Coal consumed during the preceding 24 hours											Tons		lbs.		
Coal remaining on hand at Noon											"		"		
[Note in left margin at 9 PM reads " S 35° W 54° 52' "]															
P,M															
1	2 6	1 4	sw 1/2 w sw by w	S by W	3	29.80	69	70	69	70	bcl	Cir Cum	9	S	
2	8	8	"	"	3	29.77	70	70	69	70	"	"	9	"	
3	9		"	"	3	29.75	71	70	70	70	"	"	9	"	
4	4 4	8 8	sw 1/4 w	"	2	29.75	71	73	70	70	"	"	8	"	
5	8	4	"	"	2	29.76	71	73	70	70	"	"	9	"	
6	8	8	sw 1/2 w	"	3	29.71	71	75	73	70	"	"	9	"	Took in jib spanker and main trysail
7	9	4	"	NE	5	29.70	71	73	73	73	"	"	8	"	Set Fore sail.
8	8	6	"	N	5	29.69	71	73	73	73	"	"	8	"	
9	8	4	"	WNW	3	29.70	72	74	73	73	bcl	Cum Nimb	6	M	Took in fore sail
10	3 4	8 4	"	W SW	3 7-9	29.73	72	72	70	73	"	"	4	"	
11	7	8	"	SSW	4-7	29.75	71	72	70	73	bclt	"	2	"	
Mid.	8	4	"	"	3-5	29.78	71	72	70	73	ol	"	0	"	
Longitude by Chronometer from Afternoon Observations ⊕											°	'	"		
Longitude by Chronometer Observations											°	'	"		
Variation of the Compass by Amplitude										observed at Sunset	°	'	"		
Variation of the Compass by										at	°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, December 21st, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light airs from S.W. by S. Bar. rising slowly. Sea smooth. On the course S.W. 1/2 W. Steaming with six boilers. At 2 got a cast of deep sea lead in 33 fms. water, bottom blue mud and fine sand. At 4 got a cast in 20 fms. bottom blue mud. Moon rose at 2.33. Av. stm. pres. 59 lbs. Rev 51. Density sea water 22.

C. K. Curtis
Lieut.

From 4 to 8 A.M. Clear. Pleasant 1st part. Foggy. Stiff S.W[ester]ly breeze latter part. At 5 changed course to S.W. by W. at 7 changed course to S.W. 1/2 W. Got three casts of deep sea lead last hour of watch 30, 28 and 21 fms. Steaming under six boilers. Distilling. Av. st. pres. 55 lbs. Rev. 45. Density of sea water 22.

L. P. Jerrett
Master

From 8 AM to Merid. Cloudy and foggy first two hours. Clear and hazy last two. Gentle breeze from S.W. by S. and S.S.W. Steaming with six boilers. At 9.10 set main trysail. At 10.40 set jib and spanker. At 8.05 changed course to S.W. by W. At 9 to S.W. by W. 1/2 W. At 10 to W.S.W. 1/2 W. Got casts of lead at 8.30, 9, 10, and 12. Bottom at 35 fms. first three casts. Bottom black mud. Last cast 13 fms. Bottom sand. Av. st. pres. 61 lbs. Rev. 47. Distilling. Density sea water 22. At 12 stopped distiller. Changed course to S.W. by W. 1/2 W.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Gentle to light breeze from S. by W. At 12.15 changed course to S.W. by W. At 12.45 sighted land on weather bow. At 3.17 sighted St. Mary's light house ahead. At 3.30 changed course S.W. 1/2 W. Lowland on weather bow. Steaming 6 boilers. Av. st. pres. 60 lbs. Rev. 48, 52, 53, 54. Density sea water 22. Hazy about horizon.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Clear and pleasant. Light to gentle breeze from S. by W. Sea smooth. Steaming with six boilers. Land on stbd. beam. Several sails in sight. Got the anchors ready for letting go. Engaged in preparing ship for port. At 5.50 set foresail. Av. st. pres. 60. Rev. 52. Density 22. Changed course at 5 to S.W. 1/2 W. At 5 St. Marys Light bore (pc) N. 1/2 W.

C. K. Curtis Lieut.

From 6 to 8 P.M. Clear. Stiff breeze from N.E. shifting to N. Cir. cum. clouds. At 6.15 sighted St. Ignacis light (pc) [blank space] At 7.50 sighted East Point light (pc) W. 3/4 S. Steaming under six boilers. Av. st. pres. 60 lbs. Rev. 54. At 8 PM. St. Ignacis Light bore (pc) N 1/2 W & East Point (pc) W 1/2 S. Density 17

L. P. Jerrett
Master

From 8 PM to Mid. Cloudy. Squally. Gentle breeze from W.N.W. first hour. At 9.20 wind suddenly shifted to S.W. and commenced to blow a fresh pampero, dying out towards end of watch. Vivid lightening with occasional thunder. At 9.20 lost sight of Punta Pedras Light bearing (pc) N.N.W. At 9.25 changed course to W 3/8 S. At 10 to W 1/2 S. At 12 Maldonado light bore N.E. by E. 3/4 E. ~~SE 1/2 E~~ Steaming with six boilers. Av. st. pres. 60 lbs. Rev. 44. At 8.45 took in foresail.

Sam. C. Lemly
Ensign

Moon's phase last qr Dec. S. 26 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, En. route from St. Helena and at Monte Video, Uruguay

Hour.	Knots.	Fathoms.	WINDS.		Lagway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M														
1	8			SSW	1	29.78	70	69	68	73	odl	Cir cum Nimb	0	S
2	8		"	"	1	29.77	70	68	67	73	bc	"	4	"
3	8		"	"	1	29.77	70	68	67	73	bcl	"	4	"
4	8		"	"	1-4	29.79	70	68	67	73	old	"	0	"
5		Standing in for Monteideo.	"	"	3	29.78	70	68	64	73	bc	"	8	"
6			"	"	4	29.79	70	67	64	73	"	"	6	"
7		At anchor	"	"	4	29.81	70	68	65	73	"	"	8	"
8		"	"	"	5	29.81	70	68	65	73	"	"	8	"
9		Underway,standing further in harbor	SW	"	5	29.81	68	68	65	-	"	"	8	M
10		Moored	"	"	5	29.80	68	68	65	-	"	"	8	"
11			SW	"	5	29.82	68	68	65	-	"	"	8	"
Noon			W	"	5-6	29.82	68	68	65	-	"	"	8	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 300 gallons

Water during the preceding 24 hours 550 "

Water remaining on hand fit for use at noon 1300 "

Coal consumed during the preceding 24 hours Ton s lbs.

Coal remaining on hand at Noon " "

P,M													
1	SSE	SSW	5-6	29.82	70	70	66	-	bcq	Cir Cum Nlmb	6	M	
2	"	"	4-5	29.82	70	72	67	-	"	"	7	"	
3	"	"	5-6	29.78	70	72	67	-	"	"	7	"	
4	"	"	5-7	29.78	70	70	66	-	"	"	5	"	
5	SSE	SSE	6	29.78	71	68	65	-	"	"	5	"	
6	"	"	5-6	29.79	69	67	65	-	bczr	"	3	"	
7	SE BY S	se by e	5-7	29.78	68	67	65	-	"	"	2	"	
8	"	"	5-7	29.78	68	67	65	-	"	"	1	"	
9	S by E	SSE	5-7	29.78	66	65	62	-	bcqrl	"	1	"	
10	"	"	3-5	29.79	66	64	62	-	"	"	1	"	
11	"	"	4-6	29.79	66	64	62	-	bcq	"	8	"	
Mid.	S	S	5-6	29.79	66	64	62	-	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, December 22nd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Drizzling rain first and last hour, otherwise clear and pleasant. Light airs to moderate breeze from S.S.W. At 1 changed course to W. 1/4 S. At 2.15 made Floras revolving light, bearing W.N.W. 1/2 W. At 2.35 made Eng Bank light bearing S.W. by W 1/2 W. At 3.00 made Monte light right ahead. At 4 Flores light bore N.W. 1/4 N. Eng. Bank light bore S. 1/2 E. Steaming. Av. st. pres. 55 lbs. Rev. 46.5. First part of watch considerable lightening about horizon. Occasional during remainder of watch. Density sea water 22.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Moderate to stiff breeze from S.S.W. Steaming with six boilers. Standing in for Montevideo, under direction of Comdg. Officer. At 6.17 came to anchor off Montevideo in 4 fms. water veering to 30 fms. port chain at waters edge. Drought of water For'd 13 ft 7 in. Amidships 14 ft 8 1/2 in. Aft 15 ft 10 in. At 5.30 made our number. "Hartford" answered. Made inter. Signal 1211. "Hartford" answered 904. Health Officer came alongside and granted pratique. Banked fires.

C. K. Curtis
Lieut

From 8 AM to Merid. Clear and pleasant. Stiff to fresh breeze from S.W. At 9.10 called all hands, hove up port anchor, and stood further up harbor. At 9.50 let go port anchor. 9.05 let go stbd. anchor. At 10 moored ship in three fms. water 45 fms on each chain. Lobos Point bore W. by S. Mouiet W.N.W. At 10.45 made following signals to "Hartford" 2077. 9. 4892. 4080. 3854. Num. 2. 1854. At 11 "Hartford" answered 904. Broke out sheet anchor, secured it on port bow, bent sheet chain. At 10.40 hauled fires from under four boilers. Distilling with steam under two boilers.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Cloudy and pleasant. Squally. Moderate to very fresh breeze from S.S.W. Bar. falling. Sea moderate. Fires banked in two boilers. Distilling.

C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy, wet, and disagreeable. Stiff to fresh breeze from S.S.E. to S.S. by S. Squally. Sent down mizzen yard and mast covers. Distilling.

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy first part of watch, with rain and lightening. Clear and cool latter part. Squally. Gentle to very fresh breeze from South to S.S.E. Barometer steady. Sea moderate.

C. K. Curtis
Lieut.

Moon's phase last qr Dec. S. 27 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			sw by w	s by w	5-7		29.77	65	63	62	bcq	Cir Cum	4	M
2			"	"	5-7		29.77	65	63	62	"	"	4	"
3			"	"	5-7		29.76	65	63	62	"	"	5	"
4			"	"	5-7		29.76	64	63	62	"	"	4	"
5			"	"	5-6		29.78	63	63	61	"	"	5	"
6			"	"	5-6		29.79	63	62	60	"	"	5	"
7			"	"	5-6		29.80	63	62	60	"	"	6	"
8			"	"	5-6		29.80	63	63	61	"	"	5	"
9			S	SW	4-5		29.80	63	63	61	bc	"	5	"
10			SSW	SSW	3-4		29.82	65	63	61	"	"	7	"
11			"	"	3-4		29.83	66	63	61	"	"	8	"
Noon			SW by S	SW by S	3-4		29.84	67	64	61	"	"	9	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the	°	" "
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons
Water during the preceding 24 hours		550 "
Water remaining on hand fit for use at noon		2100 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M														
1			SW by S	SW by S	3-5		29.83	66	65	62	bc	Cir Cum	9	M
2			SSW	SSW	3-4		29.83	66	66	63	"	"	9	"
3			"	"	3-4		29.83	66	66	64	"	"	8	"
4			"	"	3-4		29.83	67	67	65	"	"	9	"
5			S	S by W	2		29.81	67	67	65	B	None	10	S
6			SSE	"	2		29.81	68	67	65	"	"	10	"
7			SSE	SSE	1		29.81	67	67	65	"	"	10	"
8			"	"	1		29.81	67	67	65	"	"	10	"
9			SE by S	SE	1		29.81	67	67	65	bc	Cir Cum	9	"
10			E	N	1		29.81	67	67	65	"	"	9	"
11			NE	"	1		29.81	67	68	64	"	"	9	"
Mid.			ENE	NNW	1		29.82	67	67	64	"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. S. Schley, U. S. Navy.
Monday, December 23rd, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool, and pleasant. Stiff to very fresh breeze blowing in squalls from S. by W. Distilling.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Cool. Fresh S[outher]ly breeze cir. cum. clouds. At 7.20 Flagship made genl. signal 3350. Jas. Hackett (O.S.2d Cl.) placed in single irons to await trial by Court Martial. Fires banked. Distilling. Two English steamers came in.

L. P. Jerrett
Master

From 8 AM to Merid. Clear and pleasant. Cool. Gentle to stiff breeze from S.S.W. & S.W. Bar. rising slowly. At 8 made tel. sig. "Hartford" 0879, 3508, 6807, 4204, 5723, 6159. Hartford answered 1860, 6686, 0009, 8120. Scrubbed ship outside. An Italian Officer called officially on Comdg. Officer. Fires banked in two boilers. Distilling.

C. K. Curtis
Lieut.

From Merid. to 4 P.M. Clear. Gentle to moderate breeze from S. & W. Cir. Cum. clouds. At 3.30 Flagship made genl. sig. 2984. Answered. Unbent flying jib and gaff topsail and stowed them below. Fires banked in two boilers. Distilling.

L. P. Jerrett
Master

From 4 to 8 P.M. Clear and pleasant. Light airs to light breeze from S. by W. to S.S.E. Barometer steady. Fires banked in two boilers. Distilling.

C. K. Curtis
Lieut

From 8 PM to Mid. Clear. Cool. Light breeze from S. & E. shifting to N. Ship swinging to starboard. ~~Fires banked in two boilers. Distilling.~~ Bright starlight. Cross in hawse, port chain on top. By order of Comdg. Officer H.H. Hasner (Lds) stood his extra watch. hauled fires at 8.20.

L. P. Jerrett
Master

Moon's phase 1st qr Dec. S 26°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A,M															
1			N	N	2		29.76	65	61	60		b	none	10	S
2			"	"	2		29.75	65	60	59		"	"	10	"
3			"	"	2		29.75	65	61	60		"	"	10	"
4			"	"	2		29.75	64	61	60		"	"	10	"
5			n by w	"	3		29.76	64	62	60		bc	Cum Nimb	9	"
6			"	NNW	3		29.78	64	63	61		"	Cum	9	"
7			NNW	"	4		29.78	65	64	62		B	None	10	"
8			N by w	"	4		29.79	66	67	64		"	"	10	"
9			NW	"	4		29.79	69	71	68		"	"	10	"
10			"	NW	5		29.79	72	76	72		bc	Cir Cum	9	"
11			"	WNW	5		29.77	73	81	73		"	"	9	"
Noon			"	W by N	5		29.76	76	81	74		"	"	9	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		300 gallons
Water Received		1100 "
Water remaining on hand fit for use at noon		2900 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1			W by N	w by s	4		29.76	76	81	74		bc	Cir Cum	9	S
2			NNW	"	4		29.75	78	82	76		"	"	9	"
3			W	WSW	3		29.75	79	82	76		"	"	9	"
4			nw by w	"	2		29.76	79	81	76		"	"	4	"
5			W	SW	3		29.69	78	83	78		"	"	5	"
6			NNW	NW	4		29.69	78	83	78		"	"	8	"
7			"	"	3		29.67	78	82	78		"	"	8	"
8			N	"	2		29.67	78	81	78		"	"	8	"
9			se by e	N by W	2		29.72	75	78	75		"	"	7	"
10			SE	NW	3		29.75	74	76	74		"	"	6	"
11			S by E	NNW	2		29.76	74	76	74		"	"	4	"
Mid.			NNW	"	3		29.75	74	76	74		"	"	8	"

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations	o	' "
Variation of the Compass by Amplitude	o	' "
Variation of the Compass by	o	' "

observed at Sunset
at

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, December 24th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool and pleasant. Light breeze from North. Bar[ometer] steady last three hours of watch. Cross in hawse, port chain on top. Fires banked in two boilers.

C. K. Curtis
Lieut

From 4 to 8 A.M. Clear, cool and pleasant. Gentle to moderate breeze from N.N.W. At 7.30 Flagship made gen. sig. 3350. Answered. At 7.45 made genl. sig. 4363. Flagship answered 904. At 7.55 Flagship made gen. sig. 3873. Answered. Received 12 gals. linseed oil. Received fresh provisions for crew. Cross in hawse, port chain on top.

Sam. C. Lemly
Ensign

From 8 AM to Merid. Clear. Warm. Moderate breeze from N.N.W. shifting to the W. An Officer from "Volage" called officially on Comdg. Officer. Comdg. Officer paid official calls to the foreign Men of War in harbor. Engaged painting ship outside. Cross in hawse, port chain on top. Received 1100 gals. fresh water.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant. Moderate to light breeze from W. by S. and W.S.W. Comdg. Officer of Italian Man of War "Gormolo" called on Comdg. Officer. H.M.S. "Avon" came in. Clear hawse. Engaged in painting ship. Cleared hawse of an elbow.

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Clear. Warm. Gentle breeze from S.W. shifting to N. and W. Cir. cum. clouds. Clear hawse.

L. P. Jerrett
Master

From 8 PM to Mid. Clear, cool, and pleasant. Light to gentle breeze varying from N. by W. to N.W. Elbow and cross in hawse.

Sam. C. Lemly
Ensign

Moon's phase 1st qr Dec. S. 23 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A,M															
1			W	NW	3-4		29.74	76	74	73		bcr	Cir Cum	6	S
2			N	"	3-5		29.73	76	75	73		"	"	6	"
3			N by E	"	3-4		29.72	76	75	73		"	"	5	"
4			NW	"	3		29.70	74	72	70		"	"	6	"
5			n by w	"	3		29.74	72	70	68		bc	"	6	"
6			NW	"	3		29.77	71	71	69		"	"	4	"
7			nw by w	"	3-4		29.78	71	71	69		"	"	5	"
8			NW	"	4-5		29.78	73	71	70		"	"	3	"
9			SW by S	"	4-7		29.80	75	78	75		"	"	4	"
10			W by N	WNW	4-6		29.82	76	77	75		"	"	5	"
11			NW by W	W	4		29.80	76	77	755		"	"	3	"
Noon			W by S	"	3		29.80	76	78	76		"	"	3	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 350 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2550 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			nw by w	W	2-3		29.78	76	77	75		bc	Cir Cum	2 S
2			WNW	"	2-3		29.77	75	77	75		"	"	2 "
3			NW	"	2		29.72	75	78	76		"	"	2 "
4			NNW	"	2		29.72	75	78	76		"	"	2 "
5			"	ESE	1		29.71	75	78	76		"	"	5 "
6			"	Calm	0		29.70	79	80	76		"	"	7 "
7			NE	NE by E	1		29.70	78	80	76		"	"	8 "
8			WNW	Calm	0		29.70	79	79	76		"	"	8 "
9			S by E	"	0		29.70	76	78	75		"	"	8 "
10			SE	N	0-1		29.70	75	78	76		"	"	7 "
11			"	"	1-0		29.70	75	77	74		"	"	7 "
Mid.			E	"	3-5		29.70	75	76	73		"	"	6 "

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, December 25th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Moderate breeze from N.W. blowing in gusts. Cir cum. clouds. At 3.50 a Spanish gunboat came in. Elbow in hawse.

L. P. Jerrett
Master

From 4 to 8 A.M. Cloudy. Pleasant. Gentle to fresh breeze from N.W. Barometer rising. Sea smooth. A Spanish gunboat came in and anchored. Cleared hawse. At 7.30 Flagship made 3350. ~~and~~ At 7.45 made interog. 6144. Flagship answered and made 904. and at 8.00 crossed T. G. yards.

C. B. T. Moore
Ensign

From 8 AM to Merid. Cloudy and pleasant. Fresh to gentle breeze from N.W. shifting to W. Barometer falling slowly. Hawse clear.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Cloudy. Pleasant. Gentle to light breeze from W. Barometer falling. Sea smooth. At 3.30 German frigate "Albert" fired salute of 13 guns. German flag at the fore. Cross in hawse stbd. chain on top. Transferred Henry Mulhus (O.S.) to the U.S. Flagship Hartford.

C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Calm and light variable airs. Barometer steady. Hawse clear.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant. Calm first hour. Light airs from N. increasing to fresh breeze at end of watch. Barometer steady. Sea smooth. At 10.30 mail steamer came in and anchored. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

Moon's phase 1st qr Dec. S 20°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			N	NNW	4		29.72	78	76	72	bcl	Cir Cum	9	S
2			NNW	"	3-5		29.72	78	76	70	"	"	9	"
3			NW	NW	2		29.72	76	74	70	bc	"	9	"
4			N	"	2		29.72	76	72	70	"	"	8	"
5			SW by W	N	2		29.65	75	72	69	o	"	0	"
6			SSW	N by E	1		29.65	72	72	70	bc	"	1	"
7			"	SE	2		29.69	73	73	71	"	"	2	"
8			S	"	2		29.70	74	74	73	"	"	2	"
9			SSE	"	2-3		29.70	74	75	73	"	"	2	"
10			SE by E	E	3-4		29.70	75	76	73	"	"	4	"
11			"	ESE	3-4		29.67	75	77	74	"	"	3	"
Noon			SE	SE by E	3-4		29.65	76	78	75	"	"	3	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 300 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2250 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M

1			SE by S	SE	2		29.65	76	77	75	o	Cir Cum Cum Nim Str	0	
2			SW by W	S by W	3-5		29.65	75	74	72	"	"	0	"
3			S	S	3-5		29.65	73	71	70	or	"	0	"
4			SSE	SSE	3-4		29.65	70	70	69	"	"	0	"
5			S	S	3-4		29.65	72	71	69	"	"	0	"
6			SSW	W	2-3		29.65	72	71	69	"	"	0	"
7			NW	N	2-3		29.65	71	71	70	"	"	0	"
8			"	"	2-3		29.69	70	71	70	"	"	0	"
9			"	"	1		29.70	70	70	69	bc	Cum Nimb	0	"
10			S	N by W	2		29.70	70	70	69	ol	"	0	"
11			SSE	NW	2		29.70	69	70	69	bc	"	0	"
Mid.			"	WSW	2		29.71	69	71	70	"	"	7	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, December 26th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light to moderate breeze from N.N.W. and N.W. Lightening to S. & W. Bar[ometer] steady. [illegible, crossed out] Cross in hawse. Port chain on top.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Cloudy and pleasant. Warm. Light airs to gentle breeze from N. and N. by E. first two hours and from S.E. last two hours of watch. Bar. rising slowly. At 7.30 made interog. sig. 5455. Hartford answered 904. Loosed sail at 8. Elbow in hawse, port chain on top.

C. K. Curtis
Lieut

From 8 to Merid. Warm and partially overcast. Gentle to moderate breeze from E. to S.E. by E. Cir. cum clouds. At 9.15 inspected at quarters. By order of Comdr. confined John L. King (B Mate) and Thos. Kelly (C. Top) to the berth deck for fighting. Comdg. Officer of Brazilian ship "Amazonas" and Spanish corvette "Cousurlo" paid official visit to Comdr. Italian corvette "Gormolo" left the harbor at noon. Hawse clear.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Overcast and rainy. Light to stiff breeze shifting from S.E. to S. by W, shifted latter part of watch to SSE. Barometer commenced to rise latter part of watch. Made sig. to Hartford by Army code. Permission is requested to shift fore topsail. Hartford answered, permission given. Shifted the fore topsail. Clear hawse.

C. K. Curtis
Lieut.

From 4 to 8 P.M. Cloudy. Rainy. Light to moderate breeze from S, W, & N. Bar. rising. Sea smooth. At 6.30 Flagship made prep. sig. 2985. Answered.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear first and last hours of watch. Cloudy rest of watch. Light breeze fro N.W. to W.S.W. Barometer commenced to rise latter part of watch. Sea smooth. Hawse clear.

C. K. Curtis
Lieut

Moon's phase 1st qr Dec. S 15°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A,M															
1			SSE	S	2-3		29.71	70	72	70		bc	Cir Cum	7	S
2			SE	"	3-4		29.72	70	72	70		"	"	7	"
3			"	"	2-3		29.74	70	71	70		"	"	7	"
4			SSE	"	2-3		29.74	70	71	70		"	"	7	"
5			S	SW	1-2		29.76	73	70	70		"	"	6	"
6			WSW	W	1-2		29.78	73	71	70		"	"	5	"
7			SSW	NW	0-1		29.82	73	71	70		"	"	5	"
8			SE	N	1		29.79	73	72	70		"	"	5	"
9			S	W	1		29.79	71	74	72		bct	Cum Nimb	2	"
10			"	"	3-4		29.79	71	72	70		bcrb	"	1	"
11			"	SSE	3-4		29.80	68	68	67		bc	"	1	"
Noon			SSE	"	3-4		29.80	68	68	67		"	"	1	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " " "

Longitude by D. R. at Noon " " "

Latitude by Observations at Noon ⊕ " " "

Longitude by Chronometer from Forenoon Observations ⊕ " " "

Current during the time knots fms. per hour, setting to the " " "

Variation of the Compass by Amplitude ⊕ observed at Sunrise " " "

Variation of the Compass by Azimuth ⊕ observed at " " "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2000 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			SSE	SSE	5-6		29.82	70	68	66		bc	Cir Cum	8 M
2			"	"	5-6		29.84	70	68	66		"	"	6 "
3			"	"	5-6		29.84	69	67	65		"	"	8 "
4			"	"	5-6		29.84	68	67	66		"	"	8 "
5			SE by S	SE by S	5-6		29.85	67	65	63		"	"	8 "
6			"	"	4-5		29.87	67	65	63		"	"	5 "
7			"	SSE	4-5		29.89	67	65	63		"	"	3 "
8			SE by E	"	4-5		29.91	66	64	63		"	"	4 "
9			SSE	"	4		29.94	66	64	63		"	"	7 "
10			"	"	2-3		29.94	66	64	63		"	"	9 "
11			"	"	1-2		29.95	66	64	63		"	"	9 "
Mid.			SE by S	Calm	0		29.95	66	63	63		"	"	9 "

Longitude by Chronometer from Afternoon Observations ⊕ " " "

Longitude by Chronometer Observations " " "

Variation of the Compass by Amplitude observed at Sunset " " "

Variation of the Compass by at " " "

under the command of Commander W. S. Schley, U. S. Navy.
Friday, December 27th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Light to moderate breeze fro S. Bar[ometer]. rising.
Sea smooth. Clear hawse.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear. Pleasant. Light variable breeze. Cir. cum. clouds. Large German steamer came in. Royal Mail steamer came in. Rec'd on board fresh beef and vegetables for crew. At 7h 45m made Int[erogatory] 5455. Flagship answered and made general signal 904. At 8 loosed sail. Clear hawse. Current setting to N, 0.6 knots.

L. P. Jerrett
Master

From 8 to Merid. Cloudy and pleasant. Light airs first part from West, increasing to moderate breeze and shifting to S.S.E. Barometer rising slowly. At 9 called to quarters and served out clean hammocks. Hail shower at 10. By order of Comdg. Officer Thos. W. Hackett was rated from Lds to Armorer from this date inclusive. At 11 a Board of Survey consisting of Lieut. E.S. Houston, Lieut C. K. Curtis and Gunner T. R. Wilson met on board to survey articles in Ordnance Dept. A Board of Survey consisting of Lieut. E. S. Houston, Lieut. W. P. Ray and Lieut. C. K. Curtis met on board to survey articles in Navigation Dept. A Board of Survey consisting of Lieut. E. S. Houston, Lieut. C. K. Curtis and Boatswain Rob't Anderson met on board to survey articles in Equip't Dept. Clear Hawse.

C. K. Curtis
Lieut.

From Merid. to 4 P.M. Clear, pleasant. Blowing a stiff S.S.E. breeze. Moderately rough sea, sent liberty party on shore. At 2.30 Flagship made gen'l signal 6222, ans'd. We made 4363. Flagship ans'd and made gen'l sign'l 904.

L. P. Jerrett
Master

From 4 to 8 P.M. Cloudy, cool, pleasant. Moderate to fresh breeze from SE by S to SSE. Barometer rising. Sea moderate. Clear hawse.

C. K. Curtis
Lieut

From 8 PM to Mid. Clear & cool. Gentle S.S.E. breeze dying out toward end of watch. Cir. cum. clouds At 10.05 moon set. Bright starlight. Clear hawse

L. P. Jerrett
Master

Moon's phase 1st qr Dec. S 10°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Harbor of MonteVideo, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.					
A,M															
1			SE by S	Calm	6		29.93	67	67	63		b	None	10	S
2			SSW	"	0		29.93	66	66	63		"	"	10	"
3			WNW	NNW	2		29.92	65	65	60		"	"	10	"
4			WSW	"	2		29.92	64	64	60		"	"	10	"
5			NNW	NW	3		29.92	64	54	58		bc	Cum Str	9	M
6			WNW	"	2		29.93	63	53	58		"	Cum	9	"
7			SW by W	"	2		29.94	63	63	60		"	"	9	S
8			W	"	2		29.95	65	65	63		"	"	9	"
9			SW	W	3		29.95	66	66	65		"	"	9	"
10			S	"	4		29.94	68	68	67		"	"	9	"
11			SSE	"	4		29.93	69	72	70		"	"	9	"
Noon			"	"	4		29.92	70	74	72		"	"	9	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		250 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1750 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M	SSW										
1	SSW	W	5	29.91	70	74	72	bc	Cum	9	S
2	SW	"	4	29.90	71	74	72	"	Cum Str	9	
3	SW by W	WSW	4	29.88	72	74	73	"	"	9	"
4	"	"	4	29.87	72	75	73	"	"	9	"
5	W	W	4	29.84	72	76	72	"	"	9	M
6	NW	NNW	3	29.84	72	76	72	"	"	9	"
7	WNW	NW	3	29.84	72	75	72	"	"	9	S
8	"	"	1-2	29.83	70	75	72	"	"	9	"
9	NW by N	"	1-2	29.85	71	71	69	"	"	9	"
10	W by N	"	2	29.85	71	71	69	"	"	9	"
11	NNW	"	3	29.85	71	70	68	"	"	9	"
Mid.	"	"	3	29.83	71	68	67	"	"	9	

[illegible]

under the command of Commander W. S. Schley, U. S. Navy.
Saturday Dec. 28th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool & pleasant. Calm first two hours of watch, light breeze last two hours from N.W.W. Clear hawse.

C. K. Curtis
Lieut

From 4 to 8 A.M. Clear. Cool. Pleasant. Light breeze from N.W. At 7.30 Flagship made gen'l sig. 3350. Ans'd. By order of Comdg. Officer Thos Kelly (C.T.) was released from confinement & restored to duty. Hawse clear.

Sam. C. Lemly
Ensign

From 8 to Merid. Clear & pleasant. Moderate westerly breeze. Cum. clouds. A German and a Belgian steamer came in and anchored. Comd'rs of French and Italian gunboats called on Comd'g Officer. Clear hawse. Current about 0.6 knots setting to N.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear & pleasant. Moderate breeze from W and W.S.W. Barometer falling. Hawse clear.

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Clear & pleasant. Moderate breeze from W. shifting to N.W. and falling light. Cum. str. clouds. Cross in hawse stbd. chain on top.

L. P. Jerrett
Master

From 8 PM to Mid. Clear & pleasant. Light to gentle breeze from N.W. Cross in hawse, stbd chain on top.

Sam. C. Lemly
Ensign

Moon's phase 1st qr Dec. S. 5°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of MonteVideo, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1			NW by N	NWW	3		29.81	69	67	66		bc	cum	9	S
2			"	"	3		29.80	68	65	66		"	"	9	"
3			N by W	"	3		29.78	67	64	65		"	"	9	"
4			WNW	"	3		29.76	67	64	64		"	"	9	"
5			NW by N	"	3-4		29.77	64	64	60		"	"	9	"
6			NW	"	3-4		29.79	64	65	61		"	"	9	"
7			NW by N	"	3-4		30.80	66	66	63		"	"	9	"
8			NW	"	3-4		30.80	68	70	65		"	"	9	"
9			"	NW	5		30.80	75	74	70		"	"	9	"
10			"	"	4		30.80	72	77	73		"	"	9	"
11			NW by N	"	3-5		30.79	72	78	75		B	None	10	"
Noon			W by N	"	3-5		30.77	75	79	76		"	"	10	"

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 150 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1600 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M															
1			NW	NNW	3-4		29.76	77	81	76		b	None	10	S
2			W by S	"	3-4		29.75	78	81	76		"	"	10	"
3			W	W	2-3		29.75	78	81	77		"	"	10	"
4			NW	"	2-3		29.72	76	79	75		"	"	10	"
5			WSW	S	2		29.72	76	79	77		"	"	10	"
6			N by W	WSW	2		29.72	76	80	77		"	"	10	"
7			NW by W	SW	1		29.74	77	79	77		bc	Cir Str	9	"
8			NW by N	Calm	0		29.75	77	78	77		"	"	9	"
9			N	NE	0-1		29.74	77	77	76		"	"	9	"
10			NNW	"	1		29.74	75	75	74		"	"	9	"
11			W by S	NNW	1		29.74	74	74	73		"	"	9	"
Mid.			S by E	"	1		29.74	74	74	73		"	"	9	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, December 29th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear. Cool. Gentle N.N.W. breeze Cum clouds. Bright starlight.
Clear hawse.

L. P. Jerrett
Master

4 to 8 A.M. Clear, cool and pleasant. Gentle to moderate breeze from N.N.W. Barometer rising
slowly. Sea smooth. Cross in hawse.

C. B. T. Moore
Ensign

8 AM to Merid. Clear and pleasant. Gentle to stiff breeze from N.W. Bar[ometer] falling. At 9.45
mustered and inspected at quarters. English gunboat "Mallard" came in and anchored. Hawse
clear.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear. Pleasant. Moderate to light breeze from W.N.W. and W. Bar.
falling. Sea smooth. Cross in hawse.

C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Light breeze from S. & W. and calms. At 6.30 Flagship
made gen. sig. 2985. Answered. Cross in hawse. Stbd. chain on top.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant. Light airs from N.E. & N.N.W. Barometer steady. Sea
smooth. Elbow in hawse.

C. B. T. Moore
Ensign

Moon's phase 1st qr Dec. N. 1°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1			SSE	NW	0-1		29.73	73	71	70		b	None	10	S
2			W by S	"	1-2		29.73	73	71	70		"	"	10	"
3			NNW	NNW	2		29.73	72	68	66		"	"	10	"
4			NW by N	NW	3		29.73	72	67	66		bc	Cir Cum St	8	"
5			NNW	N by W	1-2		29.74	68	66	65		"	Cir Cum	7	"
6			N by W	"	1-2		29.75	69	68	66		"	"	7	"
7			"	N	1-2		30.77	69	70	67		"	"	7	"
8			"	"	1-2		30.77	71	73	70		"	"	7	"
9			NNW	NNW	2		30.76	75	77	74		"	"	6	"
10			NW	NW	3		30.76	75	78	75		"	"	6	"
11			WNW	NW by W	3		30.76	77	81	77		"	"	5	"
Noon			SW by S	NW by N	3-4		30.74	77	81	77		"	"	7	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		150 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1450 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1			S	SW by S	3-4		29.73	76	80	76		bc	Cir Cum	6	S
2			"	"			29.72	75	78	75		"	"	5	"
3			"	"			29.72	76	76	74		"	"	3	"
4			"	"			29.70	75	75	72		"	"	2	"
5			"	"			29.68	75	75	72		"	"	2	"
6			"	"			29.65	75	75	73		"	"	3	"
7			"	"			29.65	73	73	73		"	"	3	"
8			"	"			29.62	74	74	72		"	"	5	"
9			"	"			29.64	74	74	72		bcl	"	4	"
10			"	"			29.64	74	74	72		bclt	Nimb	0	"
11			"	"			29.65	74	74	72		bcltp	"	0	"
Mid.			"	"			29.67	74	74	72		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude	°	' "
Variation of the Compass by	°	' "

under the command of Commander W. S. Schley, U. S. Navy.
Monday, December 30th, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear, cool and pleasant. Light to gentle breeze from N.W. and N.N.W. Elbow and cross in hawse.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant. Light breeze from N. by W. and N. Cleared hawse. At 7.55 made intrg. Sig. 5455. "Hartford" answered and made 904. At 8 loosed sail. Cross in hawse, stbd chain on top.

C. R. Curtis
Lieut

8 AM to Merid. Clear, warm and pleasant, with light to moderate breeze from N.N.W. to N. W. by W. Cir. Cum clouds. Barometer steady. At 9.15 mustered at quarters Jas. Barry (P. Yeo.) Francis Giles and Jas. Hughs (2.C.T.) John P. Roberts (Lds C.T.) M. F. O'Donnell (Priv. Mar) returned to the ship. At 10.00 A.M. made sig. intrg. 4826. Flagship answered 904. Furled sail. Sent liberty party on shore.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Clear and pleasant. Moderate to fresh breeze from S.W. by S. to S.S.E. At 3.20 "Hartford" made gen. sig. 2984. Answered. Jas. Barry (P. Yeo.) returned on board.

C. K. Curtis
Lieut

4 to 8 P.M. Pleasant and partially overcast, with moderate to light breeze from S.E. to E.N.E. Received on board in Construction Department the following stores 30 Gals. Paint oil, 10 gals. Turpentine, 10 sheets Tin, 5 lb. Chalk, 10 Glass lights, 2 lbs. Glue and 25 ft. 2 in. Ash Plank. Received in Paymasters Department 5 boxes Candles. Jas. Hughs and Francis Giles (2.C.T.) returned on board. Whale Boat unhooked while hoisting, but was not damaged.

C. B. T. Moore
Ensign

8 PM to Mid. Overcast and cloudy. Thunder and lightening to the S. & W. Passing showers latter part of watch. Light breeze from E. to S. Clear hawse.

C. K. Curtis
Lieut.

Moon's phase New moon, Dec. N.6°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Harbor of MonteVideo, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.				
A,M														
1			S by E	S	6-8	29.70	71	69	67		or	Nimb	0	M
2			"	"	6-8	29.65	70	68	67		"	"	0	"
3			SE	SE	3	29.64	70	69	67		"	"	0	"
4			SE by E	NE	3	29.62	70	70	69		"	"	0	"
5			SSE	ENE	2-3	29.62	70	70	69		ocr	"	0	S
6			S	"	2	29.62	70	69	67		oc	"	0	"
7			SSW	Calm	0	29.62	70	69	68		"	"	0	"
8			SW	SE	0-1	29.62	71	70	68		"	"	0	"
9			WNW	"	0-1	29.62	71	70	69		"	Cum Nimb	0	"
10			N by W	N by W	0-1	29.62	71	70	70		"	"	0	"
11			NW	NW	1-2	29.61	71	72	70		"	Cir Cum Nimb	0	"
Noon			WNW	W	1-2	29.61	71	73	70		oct	"	0	"

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots		fathoms.
Latitude by D. R. at Noon	°	'	"
Longitude by D. R. at Noon	°	'	"
Latitude by Observations at Noon ☉	°	'	"
Longitude by Chronometer from Forenoon Observations ☉	°	'	"
Current during the time	knots	fms. per hour, setting to the	
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ☉ observed at	°	"	"
Water expended during the preceding 24 hours			300 gallons
Water Received during the preceding 24 hours			1600 "
Water remaining on hand fit for use at noon			2850 "
Coal consumed during the preceding 24 hours	Tons		lbs.
Coal remaining on hand at Noon	"		"

P,M	WNW	W	3-4	29.60	71	72	70	oc	Cum	S
1	WNW	W	2-3	29.60	71	72	70	oc	Cum	S
2	"	SW	3-4	29.59	71	72	70	"	"	
3	SSW	SSW	5-8	29.60	70	69	67	ocq	"	M
4	"	"	7-9	29.60	67	65	63	"	"	R
5	SW by S	"	6-8	29.60	65	63	61	ocq	"	
6	SW	SW	7-9	29.64	65	60	59	ocqn	"	
7	"	"	1-3	29.61	65	60	59	ocp	Nimb	M
8	"	"	2-4	29.58	65	61	60	ocqr	"	
9	W	W	3-5	29.57	65	61	59	"	"	
10	WNW	W by N	5-7	29.55	67	61	59	"	"	
11	W	W by S	7-10	29.54	66	59	59	"	"	R
Mid.	SW	SW	7-10	29.56	66	58	57	"	"	

Longitude by Chronometer from Afternoon Observations	0	1	11
Longitude by Chronometer Observations	0	1	11
Variation of the Compass by Amplitude	0	1	11
observed at Sunset			
Variation of the Compass by	0	1	11
at			

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, December 31^s, 1878.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, rainy and cool. Heavy squall from S. lasting two hours. Latter part of watch wind dying out and shifting N.E. Unshipped port accommodation ladder. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

4 to 8 A.M. Overcast & cloudy. Rainy the first hour of watch. Light breeze from N. & E. Rec'd 145 lbs fresh beef and 145 lbs vegetables. Rec'd 1600 gal's water. Clear hawse. At 7.20 Flagship made dress signal 3350. Ans'd.

L. P. Jerrett
Master

8 to Merid. Cloudy and pleasant. Light airs to light breeze from S.E. to N.W. Thunder to S x W latter part of watch. Mustered crew at quarters at 9.15. Wm. Linking (P.M.) and J. P. Roberts (Lds) absent without leave. Clear hawse.

C. K. Curtis
Lieut

Merid. to 4 P.M. Cloudy and pleasant first two hours, latter two heavy squalls from S & W. At 2.45 sent down top gal't yards. At 3 veered to 55 fms on port chain. A French man-of-war came in and anchored. Midshipmen W. H. Allen, R. Henderson, W. G. Hannum, and J. D. Griffin were detached by order of Navy Dept. and sent home, to report arrival.

L. P. Jerrett
Master

4 to 8 P.M. Moderate gale with heavy squalls from SSW and SW, first two hours moderating, last two to light breeze. Cloudy with passing showers of rain. At 4.30 sent down topgal't masts. At 7 hove in to 45 fms on port chain. Clear hawse.

C. K. Curtis
Lieut.

8 PM to Mid. Overcast, cloudy and rainy. Blowing very heavy from W.W.W.[sic] to S.W. At 11.55 started fires under four boilers. Clear hawse.

L. P. Jerrett
Master

Moon's phase 1st qr Dec. N. 11 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of MonteVideo,

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			SW by S	SW by S	8-10		29.59	65	58	57	ocpq	Nimb	0	R
2			SSW	SSW	8-10		29.59	65	58	57	"	"	0	"
3			SW by S	SW by S	7-9		29.63	65	58	57	"	Cum Nimb	0	"
4			"	"	7-8		29.65	65	58	57	"	"	0	"
5			SW	SW	7-8		29.66	65	59	58	bcpq	"	2	"
6			SW by W	SW by W	7-8		29.68	65	59	58	"	"	3	"
7			"	"	6-7		29.74	65	59	58	bcq	"	4	"
8			"	"	6-7		29.75	65	59	58	"	"	4	"
9			SW	SW	6-7		29.80	63	59	57	"	"	3	"
10			sw by w	"	6-7		29.82	61	60	58	"	"	2	"
11			"	"	6-7		29.82	61	60	58	"	"	4	"
Noon			"	"	6-7		29.82	61	61	59	"	"	4	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 200 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 2600 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			SW by W	SW by W	5-7		29.82	65	61	59	bcq	Cum Nimb	4	R
2			"	"	7-8		29.83	65	61	59	bcpq	"	2	"
3			"	"	6-7		29.84	65	61	59	"	"	2	"
4			"	"	6-7		29.83	65	61	59	bcpqh	"	2	"
5			"	"	6-7		29.85	65	62	60	bcq	"	2	"
6			"	"	6-7		29.85	65	62	60	"	"	3	"
7			"	"	5-6		29.87	65	63	60	"	"	2	"
8			SSW	SW	5-6		29.86	65	63	61	bcqp	"	1	"
9			SW	"	5		29.86	63	63	61	bcq	"	4	"
10			SW by S	SW by S	5		29.89	61	62	60	bc	"	5	"
11			"	"	4		29.89	61	62	60	"	"	5	"
Mid.			"	"	4		29.89	61	62	60	"	"	5	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, Jan'y 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy with passing showers, first two hours. Fresh gale from S.W. by S. and S.S.W. Frequent very heavy squalls. Moderating latter part of watch. Clear hawse.

C. K. Curtis
Lieut.

4 to 8 A.M. Cloudy with passing showers first two hours. Fresh pampero from S.W. and S.W. by W. moderating latter part sea rough. At 5 brought to on port chain and hove up port anchor, steaming ahead at same time. Let go anchor again forming elbow in hawse, port chain on top. Veered to 45 fms on port chain. At 7.30 Flagship made gen'l signal 3350. Ans'd. Fires in four boilers. Av. steam pressure 51 lbs.

Sam. C. Lemly
Ensign.

8 to Merid. Cloudy and squally. Moderate gale from S.W. Elbow in hawse, port chain on top. Fires under four boilers. Av. steam pressure 50 lbs.

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy and squally, with passing showers of rain. Hail squall last hour. Barometer unsettled. Sea rough. Wind from S.W. by W. varying in force from 6 to 7. Fires in four boilers. Av. st. pressure 50 lbs. Elbow in hawse, port chain on top.

Sam. C. Lemly
Ensign

4 to 8 P.M. Cloudy and squally, with passing showers of rain last hour. Barometer steady. Very fresh breeze from S.W. Elbow in hawse. Fires under four boilers. Av. st. pressure 55 lbs.

L. P. Jerrett
Master

8 PM to Mid. Clear and cool, with fresh to moderate wind from S.W. by S. Barometer rising slowly. Bright moonlight. Fires in four boilers. Av. st. pressure 50 lbs. Elbow in hawse, port chain on top.

Sam. C. Lemly
Ensign

Moon's phase 2nd qr Dec. N 16°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			SW	SW	4-5		29.90	64	62	60		bc	Cum	7 M
2			"	"	4-5		29.92	64	61	60		"	"	8 "
3			SW by W	SW by W	4-6		29.92	63	61	60		b	None	10 "
4			"	"	4-5		29.94	63	62	60		"	"	10 "
5			SW	SW	5-4		29.93	61	61	59		"	"	10 "
6			"	"	5-4		29.95	61	62	59		bc	Cir Cum	9 S
7			"	"	4		29.97	62	63	60		"	"	8 "
8			"	"	4		29.97	64	63	60		"	"	6 "
9			"	"	3		29.97	64	64	62		"	"	7 "
10			"	"	3		29.98	65	65	64		"	"	7 "
11			"	"	2		29.98	65	65	64		"	"	7 "
Noon			"	"	2		29.98	65	66	64		"	"	7 "

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	i "
Longitude by D. R. at Noon	o	i "
Latitude by Observations at Noon ⊕	o	i "
Longitude by Chronometer from Forenoon Observations ⊕	o	i "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		200 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		2400 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M														
1			SW	SW	2		29.98	66	63	62		bc	Cir Cum	8 S
2			SW by W	WSW	2		29.97	67	69	66		"	"	5 "
3			SSW	WNW	2		29.97	67	69	66		"	"	4 "
4			S by E	W by S	2		29.96	67	71	68		"	"	6 "
5			"	SW	2		29.95	69	72	69		"	"	6 "
6			SE	"	2		29.95	68	71	69		"	"	6 "
7			"	"	2-1		29.95	67	69	68		"	"	8 "
8			North	North	2		29.95	67	67	67		"	"	9 "
9			NNE	NE by N	2		29.95	67	67	66		b	None	10 "
10			"	"	3		29.95	67	65	64		"	"	10 "
11			"	"	4		29.95	66	63	61		"	"	10 "
Mid.			"	"	5		29.95	65	62	60		"	"	10 "

Longitude by Chronometer from Afternoon Observations ⊕	o	i "
Longitude by Chronometer Observations	o	i "
Variation of the Compass by Amplitude observed at Sunset	o	i "
Variation of the Compass by at	o	i "

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, Jan. 2nd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Moderate to fresh breeze from S. W. Elbow in hawse. Fires under four boilers. Av. pressure 45 lbs. ~~Fires under four boilers.~~

L. P. Jerrett
Master

4 to 8 A.M. Clear and cool, with stiff to moderate breeze from S.W. At 7.30 Flagship made gen. sig. 3350. Answered. Elbow in hawse, port chain on top. Steam in four boilers.

C. B. T. Moore
Ensign

From 8 AM to Merid. Clear and pleasant, with light to gentle breeze from S.W. Barometer steady. Cleared hawse of an elbow and hove up starboard anchor. Steamed ahead and let go starboard anchor. Moored ship with 30 fms. on each chain, open hawse to S.W. by W. At 11.00 A.M. made int. sig. 5459. "Hartford" answered and made 904. Fielded top gall. masts, crossed top gall. yards and loosed sail. At 11.40 made int. sig. 4557. "Hartford" answered and made 904. Hauled fires. By order of Comdr. Thos. Kelly (C.J.) was placed in solitary confinement bread and water, for attempting to smuggle liquor on board. Cadet Midshipman T. M. Brumby, J. H. Oliver, and W.S. Benson reported on board for duty, having been detached from the "Hartford" and ordered to this ship by order of Rear Admiral E. J. Nichols. Pacific mail steamer went to sea. Hawse clear.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant. Light breeze from S.W. to W.N.W. At 8.20 made sig. int. 4826. Flagship answered 904. Furled sail. Washing ship outside. Clear hawse. British gunboat "Mallard" steamed out of harbor.

C. B. T. Moore
Ensign

4 to 8 P.M. Clear and pleasant, light breeze from N.W. and North. Sea smooth. Barometer steady. At 6.35 Flagship made genl. sig. 2985. Answered. At 7.15 she made prep 6143 and at sunset 6143. Answered and sent down top gall. yards. Cross in hawse, port chain on top.

Sam. C. Lemly
Ensign

8 PM to Mid. Clear and cool. Light to stiff breeze from N.E. by N. Barometer steady. By order of Commanding Officer temporarily released Thos. Kelly (C. Top) from confinement, on recommendation of the Medical Officer, for medical treatment. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

Moon's phase 2nd qr Dec. N. 20°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.					Water at surface.
A,M															
1			NNE	NNE	4		29.95	64	59	58		b	None	10	S
2			"	"	4		29.95	63	59	58		"	"	10	"
3			NE by N	NE by N	4		29.95	62	58	58		"	"	10	"
4			"	"	4		29.95	62	58	58		"	"	10	"
5			"	N	4		29.99	62	59	58		bc	Str	9	"
6			N	"	4		30.00	63	59	58		"	"	9	"
7			"	"	4		30.00	63	60	59		"	"	9	"
8			NNW	NNW	4		30.05	64	64	62		"	"	9	"
9			NW	NW	3		30.07	66	68	65		"	Cir Cum	8	"
10			"	WNW	3		30.10	69	72	68		"	"	8	"
11			SW	WSW	4		30.10	69	72	68		"	"	4	"
Noon			"	SW	5		30.10	68	70	66		"	"	2	"

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons
Water		"
Water remaining on hand fit for use at noon		2100 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M												
1	SSW	SSW	5	30.10	69	71	68	bc	Cir Cum	4	S	
2	S	S	4	30.10	69	71	68	"	"	3	"	
3	S by E	S x E	2-3	30.09	71	72	68	"	"	4	"	
4	SSE	SSE	3-4	30.09	71	72	68	"	"	4	"	
5	SE by S	SE by S	4	30.10	71	72	68	"	"	4	M	
6	"	"	5	30.13	71	68	66	"	"	2	"	
7	SE	SE	5	30.15	68	66	64	"	"	2	"	
8	"	"	5	30.15	68	65	64	"	"	2	"	
9	SE by S	"	5	30.15	67	64	63	"	Nimb Str	1	"	
10	SE	"	4-6	30.15	67	64	64	oc	"	0	"	
11	SE by S	"	4-6	30.15	67	64	64	"	"	0	"	
Mid.	SE	"	4-6	30.15	67	64	63	"	"	0	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations	0	1	11
Variation of the Compass by Amplitude	0	1	11
observed at Sunset			
Variation of the Compass by	0	1	11
at			

under the command of Commander W. S. Schley, U. S. Navy.
Friday, January 3rd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudless and cool. Moderate breeze from N.N.E. & N.E. by N.
Barometer steady. Cross in hawse, port chain on top.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant. Moderate breeze from N. to N.N.W. At 7.30 Flagship
made gen. sig. 8350, and at 7.50 prep. 6069. At 8 6069. Crossed top gall. and royal yards.
Cross in hawse, port chain on top.

C. K. Curtis
Lieut

From 8 AM to Merid. Clear and pleasant. Gentle breeze from N.W. to W.N.W. latter part cloudy
wind shifting to S.W. and freshening to stiff breeze. At 10 ship swung to Stbd. Elbow in hawse.
At 9.15 inspected crew at quarters. Wm. Linburg (P.M.) and John P. Roberts (Lds E.2) absent
five days without leave. F. Wolfinger (O.S.) M. J. King (Lds) J. W. Greene (Lds) Geo Rennje
(Sea) Thos. C. Pentz (OS) Pedear Olsen (Sea) Jer. O'Brien (1.C.T.) and F. Porter (C.H.) absent
24 hours without leave, offered ten dollars reward for apprehension of above men. Riding to
open hawse.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Pleasant. Light to moderate breeze from S.S.W. to S.S.E. Fred Porter (CH)
returned on board. At 3.30 Flagship made genl. sig. 2984. Answered.

C. K. Curtis
Lieut

From 4 to 8 P.M. Cloudy, cool and pleasant. Moderate to stiff breeze from S.E. by S. to S.E. At
6.50 veered to 45 fms. port chain. At 7 Flagship made prep. sig. 6070. Answered. At sunset
sent down Royal Yards. At 5.10 P. Olsen (Sea) Geo. Rennje (Sea) Thos. C. Pentz (O.S.) and F.
Wolfinger (O.S.) returned on board.

C. B. T. Moore
Ensign

8 PM to Mid. Weather overcast and cloudy. Wind light to moderate squalls from S.E. Moderate
sea. Clear hawse.

C. K. Curtis
Lieut.

Moon's phase 2nd qr Dec. N. 23 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1			SSE	SE by S	4-6		30.15	65	64	63		og	Cir Cum	0	M
2			"	"	4-6		30.15	65	64	63		"	"	0	"
3			"	"	4-6		30.15	65	64	63		"	"	0	"
4			"	"	4-6		30.15	65	64	63		"	"	0	"
5			"	"	4-6		30.18	65	63	62		c	Cum Nimb	0	S
6			SE by S	"	4-5		30.22	64	62	61		"	"	0	"
7			"	SE	3-4		30.22	64	62	61		"	"	1	"
8			"	"	4		30.23	64	62	61		"	"	1	"
9			"	"	4		30.23	64	63	61		bc	Cum Str	2	"
10			"	"	4		30.26	63	64	61		"	"	2	"
11			"	"	4		30.25	63	63	61		"	"	3	"
Noon			"	"	4-5		30.25	63	63	61		bcq	Cir Cum	3-4	"

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 250 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1750 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M															
1			SE by S	SE	4-5		30.24	63	63	60		bc	Cir Cum	3	M
2			"	"	4-5		30.24	63	63	60		"	"	3	"
3			"	"	4-5		30.22	63	63	60		"	"	4	"
4			"	"	4		30.21	63	62	60		"	"	4	"
5			"	"	4		30.21	63	62	60		"	"	6	"
6			"	"	3		30.20	63	62	60		"	Cir Nimb	1	S
7			"	"	2-3		30.20	63	61	59		oc	Nimb Cum	0	"
8			SE	"	2-3		30.20	63	61	59		"	"	0	"
9			"	"	4-6		30.20	63	60	59		ocq	"	0	M
10			SSE	"	3-5		30.19	63	60	59		"	"	0	"
11			"	"	3-5		30.18	63	60	59		"	"	0	"
Mid.			"	"	2-4		30.17	63	60	59		"	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, January 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, cool and pleasant. Moderate to stiff breeze from S.E. by S. frequent moderate wind squalls. Clear hawse. Moderate sea.

C. B. T. Moore
Ensign

4 to 8 A.M. Cloudy and cool. Gentle to moderate breeze from S.E. Smooth sea. Clear hawse.

L. P. Jerrett
Master

8 to Merid. Clear and cool but pleasant, with fresh breeze from S.E. Squally last hour. Cir. cum str. clouds. Smooth to moderate sea. Private Linburg brought on board by the Sergeant of the Guard. Clear hawse.

C. K. Curtis
Lieutenant

Merid. to 4 P.M. Cloudy and cool. Moderate breeze from S.E. Moderate sea. Bar. falling. Clear hawse. H.B.M.S. "Elk" came down the river and anchored in the river harbor, about 3 o'clock.

L. P. Jerrett
Master

From 4 to 8 P.M. Clear and pleasant first part, overcast and ~~pleasant~~ cloudy latter part. Moderate to gentle breeze from S.E. Moderate to smooth sea. Clear hawse.

C. K. Curtis
Lieutenant

8 PM to Mid. Overcast and cool. Moderate breeze in squalls from S.E. Moderate sea. Bar. falling slowly. Clear hawse. Reconfined Thos. Kelly (C.M.T.) solitary confinement on bread and water.

L. P. Jerrett
Master

Moon's phase 2nd qr Dec. N 25 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of MonteVideo, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			SE	SE	3		30.17	63	60	58		oc	Cir Nimb	0 S
2			"	"	3		30.16	63	60	58		bc	"	2 "
3			SSE	"	2		30.15	63	60	58		"	Nimb Str	6 "
4			"	SSE	2-3		30.15	63	59	57		"	"	6 "
5			S by E	"	2-3		30.15	62	58	57		"	Cir Str	7 "
6			"	"	2		30.15	62	59	58		"	"	9 "
7			"	"	2		30.15	63	61	59		"	"	9 "
8			"	"	3		30.17	64	62	60		"	"	9 "
9			S	S	3		30.17	64	63	61		"	"	8 "
10			"	SSE	3-4		30.16	64	63	62		"	"	8 "
11			S by E	"	3-4		30.16	64	63	62		"	"	7 "
Noon			S	"	3-4		30.16	65	64	62		"	"	7 "

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		250 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1500 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M														
1			SSW	SSE	4		30.15	65	65	63		bc	Cir Cum	8 S
2			S by E	"	4		30.15	65	65	64		"	"	9 "
3			SSE	"	4		30.13	66	66	65		"	"	9 "
4			S by E	S by E	3-4		30.12	66	66	65		"	Cir Str	9 "
5			"	SSE	2-3		30.11	66	66	65		"	"	9 "
6			SSE	SE by E	2		30.11	66	65	63		"	"	9 "
7			SSE	ESE	1		30.11	66	64	62		b	None	10 "
8			E by S	ENE	1		30.09	65	63	61		"	"	10 "
9			NE by E	NE	1-2		30.10	64	64	63		"	"	10 "
10			"	"	1		30.10	64	64	63		"	"	10 "
11			NNE	NNE	1-2		30.10	64	62	61		"	"	10 "
Mid.			N by E	"	2-3		30.10	64	61	62		"	"	10 "

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

observed at Sunset
at

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, January 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast first hour. Clear and pleasant rest of watch. Nim. str. clouds. Gentle breeze from S.E. Smooth sea. J. W. Greene (Lds) returned 3 1/2 days overtime. Clear hawse.

W. S. Benson
Cadet Midshipman

From 4 to 8 A.M. Clear and pleasant weather. Gentle breeze from S.S.E. Bar. at 8 A.M. 30.17, rising slowly. Smooth sea. Riding to flood tide. Clear hawse.

Sam. C. Lemly
Ensign

From 8 to Merid. Clear and pleasant. Gentle to moderate breeze from S.S.E. Clear hawse. At 9.45 assembled at quarters and had general inspection. At 10.15 mustered the crew, and read the "Articles for the Government of the Navy." Found M. J. King (Lds) and J. P. Roberts (Lds. E. T.) absent without leave. By order of Comdg. Officer confined John W. Greene (Lds) in double irons, to await trial by Court Martial, offense, overstaying leave and disobedience of orders.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant. Gentle to moderate breeze from S. by E. to S.S.E. Clear hawse. Sent a special liberty party of 19 men to remain until 7 A.M. Jany. 6th.

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Clear and pleasant. Gentle decreasing breeze from S.S.E. to E.N.E. Smooth sea. Bar. falling. Clear hawse. Returned on board M. J. King (Lds) 85 hours over leave and John P. Roberts (Lds. E.T.) 172 hours over leave. By order of Comdg. Officer both are confined in double irons to await trial by Court Martial for the offense of overstaying leave.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant. Light breeze from N.N.E. to N.E. Cross in hawse, port chain above. John P. Roberts (Lds.) upon recommendation of Medical Officer released from confinement for trial.

Sam. C. Lemly
Ensign

Moon's phase 2nd qr Dec. N. 27°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.				
A,M														
1			NNE	N	1		30.08	64	60	60	b	None	10	S
2			N	"	1-2		30.08	64	59	59	"	"	10	"
3			N by E	"	1		30.07	63	59	59	"	"	10	"
4			"	"	1		30.07	63	59	59	bc	cir	9	"
5			"	S by E	1		30.07	63	59	58	"	"	9	"
6			"	"	1		30.08	63	58	56	"	"	9	"
7			"	"	1		30.10	63	58	56	"	"	9	"
8			ENE	Calm	0		30.11	63	65	64	"	"	9	"
9			SE by E	"	0		30.11	64	67	66	b	None	10	"
10			"	"	0		30.11	65	67	66	bn	"	10	"
11			SSE	South	1		30.11	66	68	66	"	"	10	"
Noon			SE by S	SE	2		30.10	67	69	67	b	"	10	"

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1200 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M												
1	ESE	ESE	3	30.08	67	68	67	bc	Cir Cum	9	S	
2	E	"	3	30.08	68	69	67	"	"	9	"	
3	ESE	"	4	30.07	68	71	68	"	"	7	"	
4	"	"	4	30.05	69	71	69	"	"	9	"	
5	"	E	3	30.02	70	71	68	b	None	10	"	
6	E	"	4	30.02	70	71	68	"	"	10	"	
7	"	"	4	30.01	69	70	68	bz	"	10	"	
8	"	"	4	30.01	69	69	67	"	"	10	"	
9	ENE	ENE	4	30.00	69	69	66	bc	Cir Str	9	"	
10	"	"	4-5	30.00	69	68	67	"	"	9	"	
11	"	"	4-5	30.00	68	67	65	"	"	9	"	
Mid.	NE by E	NE by E	4-5	30.00	67	65	63	"	"	9	"	

Longitude by Chronometer from Afternoon Observations \oplus	0	'	"
Longitude by Chronometer Observations	0	'	"
Variation of the Compass by Amplitude	0	'	"
observed at Sunset			
Variation of the Compass by	0	'	"
at			

under the command of Commander W. S. Schley, U. S. Navy.
Monday, January 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light north breeze. Sea smooth. Cross in the hawse.

L. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Light airs from N. by E. Liberty party returned on board. At 7.20 "Hartford" signaled 3350. Answered. At 7.43 prep 6071. Answered. At 8 crossed royal yards. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

From 8 to Merid. Clear and pleasant, light airs and calm. Clear hawse. Peter Franks (Sea) reported the expiration of his term of service. At 9.15 went to general quarters, and the divisions reported ready as follows, 1st Div. 2 m. 55 sec., 2nd Div. 1 m. 45 sec., Eng. Div. 30 sec., Pow. Div. 2 m. 20 sec., Marines 30 sec., Nav. 1 m. 45 sec. XI in. shifted pivot 1 m. 42 sec. Secured at 9.35 m 3 m. 20 sec. Rich Jones (Stg. Stew.) absent without leave, returned on board at 11. A Medical board composed of Med. Inspt. A. C. Gorgas, P.A. surg. A.M. Moore, and P.A. surg. G. P. Bradley convened on board to survey Lt. Comdr. John Schouler. Overhauled bags and made out monthly clothing requisitions.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Clear and pleasant. Gentle to moderate breeze from E.S.E. Overhauling both chains. Re-veering, end for end, fore and fore topsail braces. At 3.15 "Hartford" signaled 2984. Answered. Cross in hawse, port chain over.

C. B. T. Moore
Ensign

From 4 to 8 P.M. Clear and pleasant. Moderate breeze from E. An American whaling bark came in and anchored. At 5.20 Flagship made signal prep. 6068. at 5.30 6068. At 6 prep. 5040. Mustered at quarters and served out hammocks. Cross in hawse. Sent down light yards at 5.30.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant. Moderate to stiff breeze from E.N.E. to N.E. by E. Bright moonlight. Cross in hawse port chains on top.

C. B. T. Moore
Ensign

Moon's phase 2nd qr Dec. N. 26°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

		WINDS.			BAROMETER.		TEMPERATURE.									Record of the sail the vessel is under at end of watch.
Hour.		Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.		
Knots.	Fathoms.															
A,M																
1		NE by N	NE by E	3-5		30.00	64	62	61		bcq	Cir Str	9	S		
2		NNE	"	3-5		30.00	64	62	61		"	"	9	"		
3		N by E	NNE	3-5		29.98	64	62	60		"	"	9	"		
4		"	N by E	2-3		29.98	64	62	60		"	"	9	"		
5		"	"	3		30.00	63	62	61		bc	"	9	"		
6		NW	NNE	3		30.00	64	62	62		"	"	9	"		
7		NE	NE	3		30.00	65	65	64		"	"	9	"		
8		NE by N	"	3-4		30.00	67	68	67		"	Cir	9	"		
9		"	"	3-4		30.00	68	71	69		"	"	9	"		
10		"	"	3-4		29.99	71	74	71		"	"	9	"		
11		ESE	ESE	3-5		29.99	72	75	72		"	"	9	"		
Noon		SE by E	"	4		29.97	72	74	71		"	Cum	9	"		
Distance run by Log since preceding Noon											knots	fathoms.				
Latitude by D. R. at Noon											o	'	"			
Longitude by D. R. at Noon											o	'	"			
Latitude by Observations at Noon ⊕											o	'	"			
Longitude by Chronometer from Forenoon Observations ⊕											o	'	"			
Current during the time				knots	fms. per hour, setting to the											
Variation of the Compass by Amplitude ⊕ observed at Sunrise											o	"	"			
Variation of the Compass by Azimuth ⊕ observed at											o	"	"			
Water expended during the preceding 24 hours													250 gallons			
Water Received				during the preceding 24 hours							1850 "					
Water remaining on hand fit for use at noon													2800 "			
Coal consumed during the preceding 24 hours												Tons	lbs.			
Coal remaining on hand at Noon												"	"			
P,M																
1		ESE	SE by E	3-5		29.94	74	75	71		bcq	Cir Str	9	S		
2		"	ESE	3-5		29.92	74	75	71		"	"	9	"		
3		"	E by S	3-5		29.91	74	74	71		"	"	9	M		
4		E	E	4-6		29.88	74	74	72		"	Cir	9	"		
5		E by S	"	6		29.86	74	76	72		bc	Cum	8	"		
6		E	E by N	5-6		29.86	74	76	73		bcq	"	8	"		
7		"	"	5-6		29.86	74	76	73		"	"	8	"		
8		ENE	ENE	5-6		29.86	74	76	72		"	"	9	"		
9		E by N	"	4-6		29.86	74	74	70		"	Cir	9	S		
10		ENE	NE by E	4-6		29.86	74	73	70		"	"	2	"		
11		NE by E	"	4-6		29.85	73	73	69		"	Cir Str	6	"		
Mid.		NE	NE	4-6		29.85	73	72	69		"	Cir Cum	1	"		
Longitude by Chronometer from Afternoon Observations ⊕											o	'	"			
Longitude by Chronometer Observations											o	'	"			
Variation of the Compass by Amplitude							observed at Sunset				o	'	"			
Variation of the Compass by							at				o	'	"			

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, January 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Bright moonlight. Moon set at 3.50. Wind in moderate squalls from N. by E. to N.E. by E. Cross in hawse, port chain on top.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant, with light breeze from N.E. by E. to N.N.E. Cir Str. clouds. Smooth sea. Received on board 1850 gals. fresh water. Scrubbed hammocks. At 7.30 made Int. sig. 3357. "Hartford" anchored 904. At 7.45 "Hartford" made prep. sig. 6144. At 8. 6144. Crossed T.G. yards. Cross in hawse, port chain on top.

C. K. Curtis
Lieut.

8 AM to Merid. Clear and pleasant. Gentle to moderate breeze from N.N.E. latter part full to moderate breeze from E.S.E. Engaged in setting up lower rigging. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant with fresh breeze in squalls S.E. by E. to E. Cir. Str. clouds. Smooth to moderate sea. Summary court martial of which Master L. P. Jerrett was senior member, met for the trial of John W. Greene (Lds) for overstaying liberty and disobedience of orders. At 3.20 court adjourned until 10 A.M. tomorrow. Crew engaged in setting up rigging and straightening up ratlines. At 1 made Int. sig. 3918. "Hartford" answered 904. Cross in hawse, port chain on top.

C. K. Curtis
Lieut

4 to 8 P.M. Clear and pleasant. Stiff to fresh breeze from E. to E.N.E. blowing in squalls. Finished setting up lower and topmast rigging. At 6.10 mustered at quarters and turned in clean hammocks. At 5.40 Flagship made gen. sig. 2985. Answered. At 7.10 prep. 6143 and at 7.15 gen. sig. 6143 both answered. At sunset sent down, T. G. yards. Cross in hawse, port chain on top. Rec'd in Construction Dept. 100 ft. white pine boards and two spruce spars. Transferred Theodore Berthelson (Lds) to hospital on shore.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear and pleasant. Bright moonlight. Fresh squalls from N.E. Smooth sea. Cross in hawse, port chain on top.

C. K. Curtis
Lieut

Moon's phase 2nd qr Dec. N 25°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.					
A,M															
1			NE	NE	3-5	29.86	70	70	68		bc	Cir Cum	8	S	
2			NE by E	NNE	1	29.85	70	70	68		"	"	8	"	
3			N	N	3-5	29.85	70	70	68		oltq	Cum Nimb	0	"	
4			"	"	3-6	29.83	70	70	68		olbq	"	0	"	
5			WSW	"	2-4	29.85	70	70	70		ocrft	Nimb Cum	0	"	
6			N by E	"	2	29.86	70	69	69		"	"	0	"	
7			ESE	NE	2-4	29.79	70	68	68		oc	Cum Nimb Cir	0	"	
8			E by N	ENE	4-5	29.78	69	69	69		"	Nimb Cum Cir	0	"	
9			ENE	NE	4	29.80	69	70	69		bc	Cum Str	2	"	
10			N by E	N by E	2	29.80	72	73	72		"	"	1	"	
11			N by W	N	2	29.81	74	75	74		"	"	4	"	
Noon			SW by W	S	1-2	29.79	74	76	75		"	Cum Str	4	"	
Distance run by Log since preceding Noon										knots	fathoms.				
Latitude by D. R. at Noon										°	'	"			
Longitude by D. R. at Noon										°	'	"			
Latitude by Observations at Noon ⊕										°	'	"			
Longitude by Chronometer from Forenoon Observations ⊕										°	'	"			
Current during the time										knots	fms. per hour, setting to the				
Variation of the Compass by Amplitude ⊕ observed at Sunrise										°	"	"			
Variation of the Compass by Azimuth ⊕ observed at										°	"	"			
Water expended during the preceding 24 hours										250 gallons					
Water during the preceding 24 hours										"					
Water remaining on hand fit for use at noon										2550 "					
Coal consumed during the preceding 24 hours										Tons	lbs.				
Coal remaining on hand at Noon										"	"				
P,M															
1			W by N	SW	2-3	29.79	74	76	74		bd	Cir Cum	6	S	
2			W	"	2-3	29.73	76	76	74		"	"	7	"	
3			WSW	WSW	2-3	29.73	76	76	74		"	"	8	"	
4			SW by S	"	3	29.76	76	76	74		"	"	8	"	
5			SW	"	3	29.73	76	78	76		"	"	9	"	
6			SW by S	WNW	3	29.71	75	78	76		"	"	9	"	
7			SW	"	2	29.71	75	78	76		"	Cum	9	"	
8			S	"	2	29.70	75	75	74		bcl	Cum Str	9	"	
9			"	W	2	29.75	76	75	74		bl	None	10	"	
10			"	WSW	2	29.74	76	75	74		b	"	10	"	
11			"	SW	1-2	29.75	76	75	74		"	"	10	"	
Mid.			S by E	"	1	29.72	76	75	74		"	"	10	"	
Longitude by Chronometer from Afternoon Observations ⊕										°	'	"			
Longitude by Chronometer Observations										°	'	"			
Variation of the Compass by Amplitude										°	'	"			
Variation of the Compass by										°	'	"			

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, January 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Gentle to stiff breeze from N.E. Squally; second hour wind falling to light airs from N.N.E. Latter part overcast. Considerable lightning, distant thunder. Moderate to fresh breeze from N. fresh blowing in squalls. Bar. falling. Cross in hawse, port chain over top.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast and squally, with thunder, lightening, and rain first two hours of watch. After with fresh breeze at end of watch from E.N.E. Unsteady barometer. Smooth sea. Cross in hawse, port chain over. At 7.30 Flagship made 3350. Answered. Received on board in Pay. Dept. 8 bbls. Pork.

L. P. Jerrett
Master

From 8 to Merid. Partly clear. Pleasant with light breeze from N.E. & E. first three hours of watch, S. last hour. Smooth sea. Bar. unsteady. Received on board in Pay. Dept. ten 12" mess kettles. In Equip. Dept 1 1/2 cords wood. In Construction Dept 15 gals shellac. At 10 Summary Court met and adjourned at 11.30, till 10 AM. Tomorrow. At 9.32 made Int. sig. 8357. "Hartford" answered 904. Broke out fore hold. Elbow in hawse, port chain on top.

C. K. Curtis
Lieut

From Merid. to 4 P.M. Clear and pleasant. Light breeze from S.W. and W.S.W. Unsteady barometer. Smooth sea. Cleared elbow out of hawse and [unreadable] 20 fms. port chain. Stowed provisions in fore hold. Flagship made gen. sig. 2984. Answered. Re-confined John P. Roberts (Lds) to await his trial by court martial. Received in Pay. Dept. 59 kegs of tobacco. In Equip. Dept. 5 coils Manila rope, 2 coils Hemp, 3 coils Ratline, 2 coils spun yarn, 2 coils houseline, 30 sewing needles, 30 corn brooms, 12 white wash brushes, 30 Bath brick, 2 Bbls. Limes. In Ord. Dept. 12 sheets Emery cloth. In Nav. Dept. 46 yds. Bunting, 2 lbs. Lampwick, 5 lbs. tallow. Clear hawse.

L. P. Jerrett
Master

From 4 to 8 P.M. Clear and pleasant. Lightening in N.E. last hour of watch. Sea smooth. Rec'd on board in Construction and Repair Dept. 4 pieces Ash and in Pay Dept. 2 boxes candles. Received from U.S.F.S. "Hartford" in Ord. Dept. 2 IX in Breechings. At 7.17 made Int. Sig. 3985 to "Hartford" Ans. 904. Clear hawse.

C. K. Curtis
Lieut.

8 PM to Mid. Clear and pleasant. Bright moonlight. Sea smooth. Light breeze from W. to S.W. Clear hawse.

L. P. Jerrett
Master

Moon's phase full moon qr Dec. N. 21 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			SE by S	SW	0-1		29.75	73	74	73		b	None	10 S
2			N	NW	0-1		29.75	73	73	72		"	"	10 "
3			"	N	1		29.75	72	71	70		"	"	10 "
4			NW by W	"	1		29.75	71	69	68		"	"	10 "
5			N by E	N by E	1-2		29.76	70	68	67		bz	"	10 "
6			NNW	NW	1		29.77	70	68	68		"	"	10 "
7			NW by N	NW by W	1		29.78	71	70	69		b	"	10 "
8			NW	NNW	2		29.80	71	72	72		"	"	10 "
9			SW by S	West	3		29.82	73	74	72		"	"	10 "
10			SW by W	"	2-3		29.82	73	75	72		bc	Str	9 "
11			SW	"	2-3		29.82	75	75	72		"	"	9 "
Noon			SW by W	WSW	2-3		29.82	76	76	72		"	"	9 "

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		250 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		2300 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M														
1			WSW	WSW	2-3		29.82	76	78	76		bc	Str	9 S
2			West	SW	3		29.82	76	78	76		bg	None	10 "
3			WSW	SW by W	2		29.81	76	78	76		"	"	10 "
4			SW by S	SW	1-2		29.80	76	80	78		"	"	10 "
5			SE	SSE	1		29.77	78	82	79		b	"	10 "
6			E by S	SE by S	1		29.76	79	82	79		"	"	10 "
7			S	SE	1		29.75	78	80	78		bc	Str	9 "
8			SE by E	Calm	0		29.77	78	79	76		"	Cir	9 "
9			"	"	0		29.72	78	79	76		bq	None	10 "
10			ESE	ENE	0-2		29.72	78	79	76		"	"	10 "
11			"	NE by E	2-3		29.74	78	78	76		"	"	10 "
Mid.			E	NNE	3-4		29.74	78	78	72		bcz	Str	9 "

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, January 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, with light breeze from N. Bright moonlight.
Elbow in hawse.

C. K. Curtis
Lieut.

4 to 8 A.M. Clear and pleasant. Light breeze from N. by E. to W.N.W. Cross in hawse port chain on top. By order of Comdr. Geo. Vaughn (Lds) was placed in double irons for being drunk on duty. Received fresh provisions for crew. German steamer came in. At 7.30 Flagship made sig. 3350. At 7.45 prep. 6069 and at 7.55 6069. Crossed light yards at 8.

Sam. C. Lemly
Ensign

From 8 AM to Merid. Clear and pleasant. Light breeze from W. & W.S.W. Bar. steady. Cleared elbow out of hawse. Summary court met at 10.30 to try J. P. Roberts (Lds) By order of Comdg. Officer Frank Tilghman (O.S. 2nd C.) was placed in solitary confinement on bread and water for neglect of duty, and Thos. Kelly (C.T.) was released from confinement and restored to duty. Refitted for tackle and sheets. Rove of new fore and main to burton falls and new main tog't purchase and spanker [unreadable]. Clear hawse.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant, hazy around horizon. Light breeze from W.S.W. to S.W. At 12.15 court took a recess for one hour; met at 1.15 and adjourned at 2.05 to await action of [unreadable]ing authority. At 1.00 called all hands to muster and Jerimiah O'Brien was given a good conduct medal. Received 40 corn brooms and some holystones. Open hawse.

Sam. C. Lemly
Ensign

From 4 to 8 P.M. Clear and warm. Light breeze from S.S.E. to S.E. Bar. falling slowly. At 6.30 flagship made prep. general signal 6068. and at 6.50 general signal 6068. answered and sent down light yards. At 7.05 flagship made general signal 2985. At 7.10 "Essex" made interrogatory signal to flagship 4363, which was answered by general signal 904. Received on board in Pay. Dept. 4 bbls. Pork, and in Engs. Dept. 37 tins of oat meal.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant, hazy around horizon. Bright moon and starlight. Moon rose at 7.25. Wind light, increasing latter part of watch. Cross in hawse, port chain on top.

Sam. C. Lemly
Ensign.

Moon's phase 3rd qr Dec. N 17°

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			NE	NE	4-5		29.74	73	71	70		b	None	10 S
2			NE	N	5-6		29.75	73	71	70		"	"	10 "
3			NNE	"	5-6		29.77	72	70	68		bcq	Cir Str	5 "
4			N by E	"	5-6		29.77	71	70	68		"	"	4 "
5			"	"	4-5		29.80	71	70	68		bc	"	6 "
6			N by W	N by W	4		29.81	72	71	69		"	"	8 "
7			"	NNW	4		29.82	73	73	71		"	"	8 "
8			NNW	N	2-3		29.82	74	76	74		"	"	8 "
9			N	NNW	2-3		29.80	76	80	75		"	"	8 "
10			W	NW	3-4		29.80	78	83	78		bcq	Cir Cum	3 "
11			WNW	"	2-4		29.80	80	85	80		"	Cum	3 "
Noon			WSW	WSW	2-6		29.80	80	84	80		bcq	"	0 "

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			SW	SW	3-6		29.82	74	78	74		og	Cir Cum	0 M
2			S by W	S by W	4-6		29.83	76	77	74		"	"	0 "
3			"	"	5-6		29.83	76	77	70		"	"	0 "
4			"	"	5-6		29.82	76	69	68		"	"	0 "
5			S by E	SSE	5-7		29.86	71	66	67		bcq	"	2 R
6			"	"	4-6		29.87	71	67	66		"	"	5 "
7			SSE	"	4-6		29.90	70	67	66		"	Cir Str	6 "
8			SE by S	"	4-6		29.90	70	66	65		"	"	4 "
9			"	SE by S	4-6		29.90	70	67	66		"	"	2 M
10			"	"	4-6		29.92	70	67	65		"	"	4 "
11			"	"	4-6		29.92	70	67	65		"	"	5 "
Mid.			SSE	SSE	4-6		29.92	70	67	65		"	"	2 "

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Friday, January 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold. Bright moonlight. Smooth sea. Bar. rising slowly. Fresh breeze from N.E. and North. Squally latter part of watch. Cross in hawse.

L. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Stiff to light breeze from N. to N.N.W. At 6.45 coal lighter came alongside, commenced coaling ship. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

From 8 AM to Merid. Began clear and pleasant; overcast and cloudy latter part of watch. Moderate from N. to N.W. till 11.40 when it came out fresh from W.S.W. Continued coaling ship. By order of Comdg. Officer released Frank Tilghman (OS 2nd C) and Geo. Vaughn (Lds) from confinement. Elbow in hawse, port chain on top.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast and pleasant. Gentle to fresh breeze from S.W. to S by W. blowing in squalls. At 12.30 cleared hawse. At 1.00 veered to 45 fms on each chain. At 2 Corpl. Jones fell overboard from starboard gangway and was rescued by John Millmore and Samuel Griffin O.S. who jumped overboard for him. At 8 stopped coaling and sent coal lighters on shore, sea being too rough to continue coaling. Rec'd 76 tons coal. Clear hawse. Sea moderate. Barometer steady.

C. B. T. Moore
Ensign

From 4 to 8 P.M. Cloudy, but pleasant weather. Fresh breeze from S.S.E. blowing in squalls. Barometer rising slowly. Clear hawse.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy and pleasant. Moderate to fresh breeze from S.E. by S. to S.S.E. blowing in squalls. Clear hawse. Bright moonlight. Moderate sea.

C. B. T. Moore
Ensign

Moon's phase 3rd qr Dec. N. 12 °

Examined and found to be correct

Asa Walker
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.					
A.M															
1			SSE	SSE	3-4		29.96	73	67	66		bc	Cum	2	S
2			SE by S	"	2-4		29.96	73	67	66		"	"	3	"
3			S	"	2-3		29.96	73	67	66		"	"	4	"
4			S by E	S by E	2-3		29.96	73	67	66		"	Cum Nimb	1	"
5			S by W	"	3-3		29.96	73	67	66		"	Cum Str	1	"
6			SSE	SSE	3		29.98	70	66	66		"	"	2	"
7			"	"	3		29.98	69	67	66		"	Cum Clr	2	"
8			"	"	3		30.00	68	68	67		"	"	6	"
9			SE by S	SE by S	3		30.00	69	69	67		"	"	6	"
10			"	"	3		30.00	69	69	67		"	"	6	"
11			"	"	3		30.00	68	69	67		"	"	6	"
Noon			"	"	3		30.01	68	69	67		"	"	6	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		400 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		1600 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1			E by S	ESE	3		30.07	69	68	67		bc	Cir Cum	6	S
2			SE	SE	3		30.02	69	68	67		"	Cir Cum	6	"
3			"	"	3		30.02	69	68	67		"	"	6	"
4			SE by S	"	3		30.02	67	67	66		"	"	7	"
5			ESE	"	4		30.02	67	67	66		"	"	7	"
6			"	ESE	4		30.02	70	67	64		"	"	7	"
7			E by s	E by S	4		30.02	69	66	64		"	"	8	"
8			E	E	4		30.02	69	66	64		"	"	8	"
9			ESE	ESE	2		30.05	69	66	65		"	Str	8	L
10			E by S	E	2		30.05	69	67	66		"	Cir Cum	9	"
11			E	ENE	3		30.05	69	67	66		"	"	9	"
Mid.			E by N	"	3		30.05	69	67	66		"	"	9	"
Longitude by Chronometer from Afternoon Observations ⊕												°	' "		"
Longitude by Chronometer Observations												°	' "		"
Variation of the Compass by Amplitude												°	' "		"
Variation of the Compass by												°	' "		"

under the command of Commander W. S. Schley, U. S. Navy.
Saturday January 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy but pleasant weather. Gentle to moderate breeze from S.S.E. Bar. steady. Smooth sea. Clear hawse.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. First two hours partly overcast, last two hours clear and pleasant, with light breeze from S.S.E. Smooth sea. Bar. rising. At 6 coal lighter came alongside. Commenced coaling. At 7.30 "Hartford" made gen. sig. 3350. At 7.45 prep. sig. 6144. At 7.50 "Essex". Made 4363, "Hartford" answered and made 904. Clear hawse.

C. K. Curtis
Lieut

From 8 AM to Merid. Clear and pleasant. Gentle breeze from S.E. by S. At 10 finished coaling, total coal received 103 tons 1875 lbs. At 10.45 hove into 30 fms on each chain Clear hawse.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant, with light breeze from S.E. Smooth sea. At 3.30 made Int. sig. 6144. Answered 904. Crossed T.G. yards. Clear hawse.

C. K. Curtis
Lieut.

From 4 to 8 P.M. Cloudy and pleasant. Moderate breeze from E.S.E. to E. Lieutenant Asa Walker U.S. Navy, reported for duty as executive officer of this vessel. Cross in hawse, port chain on top.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear and pleasant, with light breeze from E.S.E. Bright moonlight. Moon rose at 9.30. Cross in hawse port chain on top.

C. K. Curtis
Lieut.

Moon's phase 3rd qr Dec. N. 6 °

Examined and found to be correct

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.				
A,M														
1			E by N	e by n	2	30.03	67	66	65		bc	Cir Cum	9	S
2			"	"	2	30.03	67	66	65		"	"	9	"
3			"	"	3	30.01	66	65	65		"	"	9	"
4			"	"	2	30.00	66	63	63		"	"	9	"
5			NNE	NE	2	30.00	68	63	62		bcw	Cir Str	9	"
6			N by E	"	1	30.04	68	63	62		bcz	Cir Cum	9	"
7			NNE	"	1	30.04	70	66	64		"	"	9	"
8			NE by N	"	1	30.05	71	68	66		bc	"	7	"
9			NE	"	1	30.06	70	71	70		"	Cir	8	"
10			SE by E	NNE	1	30.06	70	71	70		"	"	8	"
11			SE by S	NE	3	30.06	70	71	70		"	"	8	"
Noon			SE	ESE	4	30.06	70	71	70		"	"	8	"

Record of the sail the vessel is
under at end of watch.

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1300 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M													
1	SE by E	SE by E	4-5	70	30.03	70	71	71	70	bc	Cir	7	S
2	ESE	ESE	5	70	30.01	70	71	71	70	"	"	8	
3	E by S	East	5	70	30.00	70	71	71	71	"	"	7	"
4	"	ENE	5	70	30.00	70	72	72	72	"	"	8	M
5	ESE	East	5	70	29.97	70	72	72	71	"	"	9	"
6	E by S	"	5-7	69	29.96	69	72	72	69	bczg	Str	8	
7	E	"	4-6	69	29.95	69	72	72	68	bcbg	Cum	9	"
8	E by N	"	3-4	69	29.95	69	72	71	68	"	Str	9	L
9	E	E by N	4-6	69	29.95	69	71	71	68	bg	None	10	M
10	"	ENE	4-6	68	29.96	68	71	70	68	"	"	10	"
11	"	NE	5	68	29.97	68	70	67	64	b	"	10	"
Mid.	NE by E	"	4-5	68	29.97	68	69	64	64	"	"	10	S

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations	0	1	11
Variation of the Compass by Amplitude	0	1	11
observed at Sunset			
Variation of the Compass by	0	1	11
at			

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, January 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light to gentle breeze from E. by N. Bright moonlight. Cross in hawse, port chain cross on top.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant. Light breeze from N.E. Bar. rising. Sea smooth. Cross in hawse, port chain over.

L. P. Jerrett
Master

From 8 AM to Merid. Clear and pleasant, with light breeze first part of the watch from N. & E. freshening latter part from E.S.E. Smooth sea. At 9.20 had divisional inspection and at 9.45 the Comdg. Officer inspected ship and crew at quarters. At 10 called all hands to muster, and prayers were read by Comdg. Officer.

C. K. Curtis
Lieut.

From Merid. to 4 P.M. Clear and pleasant. Stiff breeze backing from S.E. by E. to E.N.E. Barometer falling slowly. Sent a liberty party on shore. Road [rowed] a visiting party from the flagship. About 3 P.M. a German Man of War came in and anchored, she saluted Ad[miral] Nichols, and the Flagship answered the salute. Cross in hawse port chain on top. Smooth to moderate sea.

L. P. Jerrett
Master

From 4 to 8 P.M. Clear and pleasant, with fresh breeze from E. blowing in squalls. Moderate sea. Long swell. Bar. falling. At 7 "Hartford" made prep. sig. 2985. Got up harbor clothes lines. Cross in hawse, port chain on top.

C. K. Curtis
Lieut

From 8 PM to Mid. Clear and pleasant. Stiff breeze from E. by N. to N.E. Squally first part of watch. Moderate to smooth sea. Barometer rising slowly. Cross in hawse, port chain over.

L. P. Jerrett
Master

Moons phase 3rd qr Dec. ~~N~~ S 1°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			ENE	NE	3		29.97	68	64	62		b	None	S
2			E by N	"	3		29.96	67	63	62		"	"	"
3			NE	"	3		29.95	66	62	62		"	"	"
4			NE by N	NE by N	2-3		29.95	66	62	62		bc	Str	"
5			N	NNE	2		29.95	65	62	62		bz	None	"
6			"	"	2		29.95	65	63	63		"	"	"
7			"	"	2		29.95	67	65	65		b	"	"
8			"	"	2		29.95	68	68	66		"	"	"
9			N by E	S	1		29.95	68	68	70		bz	"	"
10			NE by E	NE	1		29.94	74	74	72		"	"	"
11			SE	SE	2-3		29.93	74	74	72		"	"	"
Noon			"	"	4		29.94	74	74	72		bcz	"	"

Record of the sail the vessel is under at end of watch.

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊕ observed at ° ' "

Water expended during the preceding 24 hours 300 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1000 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M														
1			SE	SE	3		29.90	75	74	74	72	bc	Str	S
2			ESE	ESE	3		29.87	75	76	74	74	o	None	"
3			SE by E	"	3		29.85	76	78	76	76	"	"	"
4			"	"	3		29.83	76	78	76	76	"	"	"
5			E by S	"	3		29.83	76	79	74		"	"	"
6			"	"	3		29.83	76	78	74		"	"	"
7			ENE	ENE	3		29.80	76	75	72		bc	"	"
8			NE	"	3		29.84	73	74	71		bcz	Str	"
9			"	"	3		29.84	73	74	70		bm	None	"
10			"	"	2-3		29.84	76	74	72		bmw	"	"
11			NNE	NE	3		29.81	76	74	72		"	"	"
Mid.			"	NNE	4		29.79	76	74	72		"	"	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Monday, January 13th 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. To 4 A.M. Clear and pleasant, with gentle breeze from N.E. Smooth sea. Bright moonlight.
Cross in hawse, port chain on top.

C. K. Curtis
Lieut.

From 4 to 8 A.M. Clear and pleasant, with gentle breeze from N.N.E. Smooth sea. Cross in hawse, port chain on top. Medical Officer left the ship to render professional services to the Captain of the American barque "Samuel E. Spring", who had shot himself, and on his return, reported the Captain dead. Received from provisions on board. Liberty party returned, with the exception of Andrew McGarvey (B. Mte) and Henry Wilson (C.F.C.) Followed motions of Flagship, hoisting colors at 5.30, an American ship bound out.

Sam. C. Lemly
Ensign

From 8 AM to Merid. Clear and pleasant. Smooth sea. Barometer falling slowly. Light N[ortherly] airs first part and fresh breeze from S.E. latter part of watch. Rec'd on board in Pay. Dept. 4 bbls. Pork, 2 tins beef, 2 bbls. Beef, 20 cases beef, 13 cases of pickles, 3 bbls. Molasses, 3 boxes soap, 4 boxes butter, 9 pkgs. Tea, 2 1/2 bbls. Coffee, 80 sacks bread. Geo. W. King (W.O. Cook) rated to W.O. steward from 9th inst. inclusive, also rated Lawrence Nelson (Lds) to W.O. Cook. from 10th inst. inclusive. Enlisted Lawrence Nelson as Lds. for cruise of "Essex" Special service from 9th inst. inclusive. Fleet Paymaster and Fleet Surgeon came on board and inspected stores and ship. Cross in hawse, port chain over.

L. P. Jerrett
Master

From Merid. to 4 P.M. Clear and pleasant. Gentle breeze from S.S.E. Barometer falling. Cross in hawse, port chain on top. At 1 oclock [o'clock] made int. sig. 2984. Flagship answered and made 904. At 1.15 int. 6103 Flagship answered and made 904. At 2 sent down light yards and unbent old and bent another suit of sails, loosed sail sheeted home the topsail. Furled sail and crossed T.G. yards.

Sam. C. Lemly
Ensign

4 to 8 P.M. Clear and pleasant. Smooth sea. Barometer steady. Fresh breeze from E.S.E. and E.N.E. Rec'd on board in Pay. Dept. 6 bbls. beans, containing 1200 lbs. and 1 pkg. books containing 50 pair. Rec'd in Nav. Dept. 6 bbls. Lard oil, containing 246 gals. Cross in hawse, port chain over.

L. P. Jerrett
Master

From 8 PM to Mid. Clear, pleasant, and hazy weather. Gentle to moderate breeze from E.N.E. Barometer falling. Smooth sea. Cross in hawse, port chain on top Bright moonlight; moon rose at 10.30.

Sam. C. Lemly
Ensign

Moons phase 3rd qr Dec. S 7 °

C. K. Curtis
Lieutenant

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

Hour.	Knots.	Fathoms	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1			ENE	North	4-6		29.77	73	73	72		bq	None	10	S
2			NE	"	4-6		29.77	73	72	70		"	"	10	"
3			NNE	"	4-6		29.76	73	72	70		"	"	10	"
4			"	"	4-5		29.74	73	70	68		bc	Str	9	"
5			N by E	N by E	4-5		29.74	72	71	69		"	Cir Cum Str	9	"
6			N	N	4-5		29.74	71	71	70		"	"	9	"
7			"	"	4-5		29.74	72	72	70		"	"	9	"
8			"	"	4-5		29.73	72	75	72		"	"	9	"
9			"	N by W	5		29.71	76	79	75		"	"	7	"
10			"	"	5		29.71	78	82	76		"	"	6	"
11			WSW	NW	2-4		29.70	80	82	77		"	"	8	"
Noon			S by W	NW by N	2-3		29.68	80	82	78		"	Cir Cum	6	"

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		300 gallons
Water Received during the preceding 24 hours		2100 "
Water remaining on hand fit for use at noon		2800 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1			S by W	NW	2		29.68	80	83	78		bc	Cir Cum Nim	6	S
2			SW	s by w	2		29.60	82	83	78		bcp	"	4	"
3			SE	E	2		29.58	82	83	78		"	Cir Cum	9	"
4			"	"	2		29.56	82	83	78		bc	"	9	"
5			NNE	ENE	2		29.53	80	82	80		bcn	"	6	"
6			"	NNE	2-3		29.53	80	82	80		"	Cir Cum Nimb	2	"
7			"	"	3		29.55	79	81	78		ocn	Cum Nimb	0	"
8			SW	SW	3-7		29.56	76	78	75		oltr	Nimb	0	"
9			S	S	5-7		29.59	70	70	72		oltr	"	0	M
10			"	S	5-6		29.60	71	70	72		"	"	0	"
11			ENE	ENE	3-5		29.60	71	70	72		or	"	0	"
Mid.			"	"	3		29.60	71	73	72		o	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, Jany. 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 A.M. Clear and pleasant. Fresh breeze from North, a little squally. Smooth sea. Falling barometer. Cross in hawse port chain over.

L. P. Jerrett
Master

From 4 to 8 A.M. Clear and pleasant. Moderate to stiff breeze from N. by E. to N., unbent sheet chain, got sheet anchor inboard and stowed in hold. Carried away and lost overboard port forward awning stanchion. At 7.30 Flagship made gen. sig. 3350, answered. Rec'd 2100 gals. fresh water. Confined And. McGanry (B. Mkr) and Hy. Wilson (C.F.C.) in double irons for overstaying leave twenty four hours, by order of Comdg. Officer. Cross in hawse, port chain on top. Smooth sea.

C. B. T. Moore
Ensign

8 AM to Merid. Clear and pleasant. Fresh breeze first two hours, decreasing to light breeze from N. by W. to N.W. by N. Elbow in hawse. Rove off new side and train tackles, for broadside battery. By order of the Comdg. Officer the following punishments were inflicted, Geo. H. Kalin (O.S. 2nd Cl.) solitary confinement on bread and water; offense, disobedience of orders and insolence. W.C. Robinson (Lds) 2 extra watches; offense, having naked light in pantry during quarters. E.E. Barclay (O.S.) 24 hours extra duty; offense positive disobedience of orders. Forwarded accounts of Theodore Berthelsen (Lds) (in hospital on shore,) to U.S.S. "Hartford" Received in Engr's. Dept. 11 lbs of 1/8 in Sheet rubber. Lt. Comdr. John Schouler, was detached from this ship, by order of the Comdr. in Chief, on recommendation of Medical board, and ordered home, to report his arrival.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant. Light passing showers during second hour, distant thunder during third hour of watch. Light movable airs. At 1.40 cleared hawse. Hove up port anchor, and hove into 30 fms. of starboard chain. Making preparations for sea.

C. B. T. Moore
Ensign

4 to 8 P.M. Began pleasant but cloudy, with light breeze from S. & E. becoming overcast and threatening; lightening and thunder last hour. Wind came out in strong squall from S.W. At 7.35 with heavy rain. At 4.05 the German Man of War fired a salute of 9 guns. At 7.20 sent down T.G. yards. At 7.50 let go the port anchor, and veered to 60 fms. on starboard chain, and 30 fms. on port.

Sam. C. Lemly
Ensign

8 PM to Mid. Overcast and disagreeable. Stiff to very fresh breeze from South. Considerable thunder and lightening. Latter part gentle to stiff breeze from E.N.E. Clearing.

C. B. T. Moore
Ensign

Moons phase 3rd qr Dec. S 13°

C. K. Curtis
Lieutenant

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Harbor of Monte Video, Uruguay.

		WINDS.			BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.		Prop. of Clear Sky, in 10ths.	Sta te of the Se a.	Record of the sail the vessel is under at end of watch.
Hour.		Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
Knots.	Fathoms															
A,M																
1		NE	NE by N	2		29.54	71	73	70		ocu	Nimb	0	S		
2		SE	"	1		29.52	74	73	70		"	"	0	"		
3		WSW	WNW	2-3		29.54	74	73	70		"	"	0	"		
4		W by S	W	2		29.56	74	73	70		bcn	"	1	"		
5		"	S	2		29.56	74	73	70		"	Cir Cum Nimb	2	"		
6		S by W	"	2-3		29.58	72	70	68		bcp	"	4	"		
7		S	SSE	3		29.59	71	70	68		bc	Cir Cum	8	M		
8		"	S	3		29.60	69	70	68		bcd	Cum Nimb	6	"		
9		S by W	"	4		29.62	69	70	68		op	"	0	"		
10		S	"	4-6		29.66	69	69	67		o	"	0	"		
11		SW	S by W	4-6		29.67	68	68	65		"	"	0	"		
Noon		"	"	4-6		29.68	67	67	67		"	"	0	"		
Distance run by Log since preceding Noon																
										knots	fathoms.					
Latitude by D. R. at Noon										o	i	"				
Longitude by D. R. at Noon										o	i	"				
Latitude by Observations at Noon ⊕										o	i	"				
Longitude by Chronometer from Forenoon Observations ⊕										o	i	"				
Current during the time										knots	fms. per hour, setting to the					
Variation of the Compass by Amplitude ⊕ observed at Sunrise										o	"	"				
Variation of the Compass by Azimuth ⊕ observed at										o	"	"				
Water expended during the preceding 24 hours										300 gallons						
Water during the preceding 24 hours										"						
Water remaining on hand fit for use at noon										2500 "						
Coal consumed during the preceding 24 hours										Tons		lbs.				
Coal remaining on hand at Noon										"		"				
P,M																
				4-6												
1		S by W	S by W	6		29.70	68	67	65		bc	Cir Cum	5	R		
2		SSW	"	6		29.72	69	67	65		"	"	8	"		
3		S by W	"	6		29.72	68	67	64		"	Cir Cum Nimb	3	"		
4		SSW	"	6-8		29.72	67	65	63		onl	"	0	"		
5		"	"	6-8		29.72	68	65	62		bcpq	Cum Nimb	4	"		
6		SW	"	5-8		29.74	68	65	62		"	"	4	"		
7		SW by W	"	6-8		29.74	69	65	62		bcq	"	4	"		
8		WSW	"	6-8		29.75	69	65	63		"	"	4	"		
9		SW	S	7-9		29.81	69	66	64		"	"	5	"		
10		"	SW	7-9		29.83	69	66	64		"	"	4	"		
11		"	SSW	6-8		29.83	69	66	63		"	"	6	"		
Mid.		SW by W	"	7-9		29.83	69	66	63		"	"	6	"		
Longitude by Chronometer from Afternoon Observations ⊕										o	i	"				
Longitude by Chronometer Observations										o	i	"				
Variation of the Compass by Amplitude										o	i	"				
Variation of the Compass by										o	i	"				
										observed at Sunset						
										at						

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, January 15th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 A.M. Overcast, cloudy and threatening weather. Wind light and variable in direction. Smooth sea. Clear hawse.

Sam. C. Lemly
Ensign

4 to 8 A.M. Ugly, threatening weather first hour, raining second hour. Clear and pleasant remainder of the watch. Light breeze from S. Smooth to moderate sea. Bar. rising. Hove up, catted and fished port anchor and hove in to 30 fms. starboard chain. At 7.50 "Hartford" made gen. sig. 3350.

C. K. Curtis
Lieut.

8 AM. to Merid. Overcast and disagreeable. Moderate to fresh breeze from S. to S by W. blowing fresh in squalls. At 10.00 started fires under six boilers. Moderate sea. At 11.50 called all hands "Up Anchor"

C. B. T. Moore Ensign

Merid. to 4 P.M. Clear and pleasant. Very fresh breeze from S. by W. Rough sea. At 12.45 shifted anchorage, letting go starboard anchor in 4 fms water, and moving to 60 fms. chain. Bearings at anchor Mount Light N.W. 1/2 W. and W corner of Custom House N.E. 1/2 N. By order of Comdg. Officer released Jas. Hackett (O.S.2nd C.) and made him a prisoner at large. By previous authority restored to duty Geo. H. Kahn (O.S.2nd C.) Henry Wilson (C.L.C.) and Andrew McGowry (B.Maker). At 2.30 called all hands to muster, and read the proceedings of Summary court martial in the case of John W. Greene (Lds) and M. J. King (Lds) and John P. Roberts (Lds). They were each found guilty and sentenced to the following punishments viz: Thirty days solitary confinement in double irons on bread and water, with full rations every fifth day, and 3 months extra police duties. The proceedings and findings in each case was approved. The punishments was remitted by the Comdg. Officer to the following viz: In the case John W. Greene and John P. Roberts, to thirty days solitary confinement, in double irons, on bread and water, with full rations every second day, and three months extra police duties. In that of M. J. King to fifteen days solitary confinement in double irons, on bread and water, full rations every second day, and three months extra duty. In accordance to the same sentence John W. Greene was duly confined. M. J. King and J. P. Roberts were made prisoners at large to await punishment. Fires banked under six boilers.

L. P. Jerrett
Master

From 4 to 6 P.M. Cloudy and passing rain, fresh breeze to moderate gale from S. by W. Rough sea. Fires banked under six boilers. Av. st. pres. 50 lbs.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Cloudy and cool. Strong pampero blowing in squalls from S. to S.W. Rough sea. Bar. steady. Commenced distilling at 8.50.

L. P. Jerrett
Master

Moons phase last qr Dec. S 18°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots.	Tenths.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M																
1			SW by S	SW	6		29.85	69	65	63		bcq	Cir Cum	8	R	
2			SW	"	4-6		29.81	68	65	63		"	"	9	"	
3			"	"	4		29.81	67	64	62		bc	Cir	9	"	
4			"	"	3-5		29.82	67	64	62		"	"	9	"	
5			WSW	wsW	3-5		29.82	66	65	62		"	"	9	S	
6			"	"	3-5		29.81	67	64	62		"	"	8	"	
7			"	w by S	3-5		29.82	68	65	62		"	"	8	"	
8			"	"	3-5		29.83	68	67	64		"	"	8	"	
9			Standing down the river.	"	4-6		29.88	68	68	66		"	Cir Str	7	"	
10				"	5-6		29.89	70	70	68		"	"	8	"	Steam and sail.
11			se by e	"	6		29.89	71	72	70		"	"	8	"	Jib, foresail fore and main
Noon	13	0	"	"	6		29.90	71	73	70		"	"	8	"	Topsail and T. G. Sails.

Distance run by Log since preceding Noon

13 knots

Tenths
0 fathoms.

Latitude by D. R. at Noon

S 35 °

8 ' 0 "

Longitude by D. R. at Noon

N 52 °

38 ' 0 "

Latitude by Observations at Noon ⊕

°

' "

Longitude by Chronometer from Forenoon Observations ⊕

°

' "

Current during the time knots TENTHS
per hour, setting to the

[note in left margin reads "Sq No. 589"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

" "

Variation of the Compass by Azimuth ⊕ observed at

°

" "

Water expended during the preceding 24 hours

300 gallons

Water Condensed during the preceding 24 hours

2500 "

Water remaining on hand fit for use at noon

"

Coal consumed during the preceding 24 hours

Tons

lbs.

Coal remaining on hand at Noon

"

"

P.M

1	10	4	SE by E	W by N	6		29.82	71	74	71	70	bcq	Cir Str	7	M	
2	3	6	se by e	"	6		29.77	70	71	68	70	"	"	7	"	Set M. trysail
	7	0	sse	"												
3	10	0	"	"	6		29.75	71	72	68	70	"	"	6	"	
4	9	8	"	"	6		29.71	72	72	68	70	"	"	7	"	
5	4	5	SSE	"	6		29.70	71	72	69	69	"	"	4	"	4.25 set fore topmast
	6	0	S 1/2 W	"												
6	10	4	"	"	6		29.72	72	71	69	69	"	"	3	"	staysail
7	9	5	"	"	6		29.72	68	68	69	69	"	"	3	"	
8	9	0	"	"	4		29.71	68	68	69	69	"	"	3	"	Density 25.
9	8	2	"	SW by S	1-2		29.77	73	68	66	69	bow	"	5	S	
10	8	0	"	"	1		29.77	73	68	66	68	"	Str Nimb	8	"	
11	8	2	"	"	1		29.78	72	68	66	66	"	"	8	"	Steam
Mid.	8	0	"	"	1		29.78	72	68	66	66	"	"	8	"	alone

[Note in left margin at 8 PM reads "S 36° 22' W 37° 27' "]

Longitude by Chronometer from Afternoon Observations ⊕

°

' "

Longitude by Chronometer Observations

°

' "

Variation of the Compass by Amplitude observed at Sunset

°

' "

Variation of the Compass by at

°

' "

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, January 16th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and pleasant, with fresh to moderate breeze from S.W. Rough sea. Barometer steady. Bright moonlight. Fires banked under six boilers. Distilling.

Sam. C. Lemly ~~C. B. T. Moore~~
Ensign

From 4 to 8 A.M. Clear and pleasant. Gentle to stiff breeze from S.S.W. to W. by S. blowing in squalls. At 8 spread fires. At 7.50 Flagship made gen sig 3350. Answered. At 7.45 made int. sig. 6144. Flagship answered 904. At 8 crossed T.G. yards. Distilling.

C. K. Curtis
Lieut

8 AM. to Merid. Clear and pleasant, fresh breeze from W. by S. At 8.30 brought to the starboard chain and hove up anchor, and stood down the river under steam. At 9.25 called all hands "Make Sail!" At 9.35 made sail to T.G. sails, except mainsail and spanker. At 9 made int. sig. 4893. Flagship answered and made 904. Took departure at 11. Flores light house bore (p.c.) N.W. distance 5 miles. Last sight of Flores Island Light at 11.45. Fires under six boiler. Av. st. pres. 60 lbs. Av. rev[olutions] 60.

L. P. Jerrett
Master

From Merid. to 4 P.M. Hazy pleasant weather. Fresh breeze from W. by N. Moderate sea. Bar. falling. Secured bower anchors for sea. At 1.20 changed course to S.S.E. Braced up and set M. trysail. Fires under six boilers. Av. st. pres. 60. Rev. 58. Density 20.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant, with fresh breeze from W. by N. Moderate sea. Bar. falling. At 4.25 changed course to S. 1/2 W. Braced up and set F.T. staysail. Density 26.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Cloudy and pleasant. Fresh to moderate breeze from W. by N. At 6.30 furled T.G. sails, took single reef n topsails. On course W 1/2 S. Density sea water 26. Av. rev. 55. Av. st. pres. 55 lbs. At 8 got cast of deep sea lead; bottom at 14 fms. Wind and sea moderating.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant; hazy and cloudy around horizon. Bright starlight. At 8.05 took in and furled all sail. Under steam 3/4 power, pressure of steam 60 lbs. revolutions 51. Took soundings at 10 and 12. 22 fms. gray sand and shell at 10. 26 fms. with blue mud and shell at 1.20. 11.55 moon rose.

Sam. C. Lemly
Ensign

Moons phase last qr Dec. S. 22 °

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from MonteVideo to Falkland Islands.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A,M																
1	8	4	S 1/2 W	NW	2		29.75	72	67	67	61	bczn	Cir Str	7	S	Under steam alone.
2	8	4	"	"	4		29.75	72	65	67	61	bzn	None	10	"	Set main trysail.
3	7	5	"	"	4		29.75	72	65	65	61	bz	"	10	"	
4	8	2	"	WNW	5		29.73	71	66	65	61	bcz	Str	8	"	
5	9	0	"	"	5		29.70	69	65	64	61	bz	None	10	"	At 4.40 made sail to T. G. sail , with F. T. staysail and spanker, with one reef in topsails.
6	9	0	"	"	5		29.68	68	64	63	61	"	"	10	"	
7	6	4	"	NW by W	5		29.69	68	64	63	61	"	"	10	"	At 6.10 stopped engines.
8	6	4	"	NW	5		29.69	67	64	63	61	"	"	10	"	
9	7	2	S by W	WNW	5		29.66	68	64	63	61	bcz	Cum Str	8	M	Set all sail single reefed And gaff topsail.
10	7	6	"	"	5		29.66	68	67	63	61	"	"	8	"	
11	8	0	"	W by N	5-6		29.64	71	67	64	66	"	"	8	"	
Noon	7	6	"	"	5		29.64	71	67	64	66	"	"	8	"	
[Note in left margin reads "S 37° 37' W 56° 38']																

[Note in left margin reads "S 37° 37' W 56° 38"]

Distance run by Log since preceding Noon	206 knots	Tenths 5 fathoms.	
Latitude by D. R. at Noon	S 38 °	23	' 00 "
Longitude by D. R. at Noon	W 56 °	09	' 00 "
Latitude by Observations at Noon ⊕	S 38 °	26	' 46 "
Longitude by Chronometer from Forenoon Observations ⊕	W 55 °	48	' 00 "
Current during the time 4 1/2 knots 7 fms. TENTHS fms. per hour, setting to the	E 1/2 S		[Note in left margin reads "Sg No 589"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat 37° 57' S Long 58° 38' W	10 °	18	" E "
Water expended during the preceding 24 hours		300	gallons
Water Condensed during the preceding 24 hours		400	"
Water remaining on hand fit for use at noon		2600	"
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M																
1	5	0	SSW 3/4 W	W	3-4		29.67	66	67	66	66	bcz	Cir Str	8	S	
2	4	0	S 3/4 W	W by S	3-4		29.69	66	66	64	66	"	"	6	"	
3	3	2	"	"	3		29.69	67	66	64	66	"	"	8	"	
4	2	5	SSW 1/2 W	W	2		29.69	68	67	66	66	"	"	9	"	
5	2	4	"	"	1-2		29.70	68	68	67	66	"	"	7	"	
6	1	5	"	NW by W	1-2		29.70	68	68	67	66	"	"	8	L	
7	3	5	SW by S	NW	2-3		29.69	68	67	67	66	bcl	"	8	"	Density 26.
8	3	8	"	"	2		29.69	68	66	65	66	"	"	9	"	
9	0	7	SW 1/2 S	NNW	3		29.68	68	66	65	66	"	"	8	"	
10	4	4	"	"	4		29.68	68	66	64	66	"	"	8	"	
11	5	6	"	"	4		29.68	70	66	64	66	"	"	8	"	
Mid.	6	0	"	"	4		29.66	71	66	64	66	"	"	8	"	
[Note in left margin reads "S 38° 46' W 56° 10' "]																
Longitude by Chronometer from Afternoon Observations ⊕	°	'	"													
Longitude by Chronometer Observations	°	'	"													
Variation of the Compass by Amplitude												°	'	"		
Variation of the Compass by												°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Friday, January 17th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Hazy. pleasant weather. Heavy dew first part of watch. Smooth sea. Bar. steady. Light breeze from N.W. to fresh breeze from W.N.W. At 2 got a cast of the lead in 27 fms. of water, white sandy bottom. At 2.30 set M. trysail. Moon rose at 12.

C. B. T. Moore
Ensign

4 to 8 A.M. Hazy. Pleasant with fresh breeze from W.N.W. to N.W. increasing at end of watch. Smooth sea. Bar. falling. At 6.10 stopped the engines, uncoupled propeller, hauled fires under four boilers, banked fires under two. Distilling. At 4.40 made sail to T. G. sails, with F. T. staysail and spanker, one reef in topsail. At 8 changed course to S. by W.

C. K. Curtis
Lieut.

8 AM. to Merid. Hazy and pleasant. Stiff to fresh breeze from W.N.W. to W. by N. At 8.45 set mainsail single reefed, and gaff topsail. At 9 commenced distilling. Sounded alarm to fire quarters at 9.38. Ready as follows. 1st Div. 9.39.30. Nav. Div. 9.40.35. M.G. 9.40.00. 2nd Div. 9.40.05. Exercised at fire quarters. Aired bedding. By order of Commander Wm. C. Robinson (Lds) was given 3 mid watches for inattention to duty. Sea moderate. Density sea water 26.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant, hazy around horizon. Light to moderate breeze from W. to W. by S. Bar. steady. Distilling. Sea smooth. Full and by.

C. B. T. Moore
Ensign

4 to 6 P.M. Hazy, pleasant weather. Light airs from West. Bar. steady. Light fog bank lying nearly all around the horizon. Smooth sea. Got up and bent F. storm staysail, mizzen storm staysail and storm mizzen. Distilling.

L. P. Jerrett
Master

From 6 to 8 P.M. Clear and pleasant, hazy around horizon. Long swell from N.W. Light breeze from N.W. By order of Comdg. Officer Samuel Griffin was rated Sea. from January 1st inclusive. Fires banked under two boilers. Distilling. Av. st. pres. 25 lbs.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Clear and pleasant, hazy about horizon. Gentle to moderate breeze from N.N.W. At 8.10 changed course to S.W. 1/2 S. At 10.55 stopped distilling and hauled fires. Bar. steady. Long swell from N. & W. Density sea water 26.

C. B. T. Moore
Ensign

Moons phase last qr Dec. S 28 °

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, Making passage from Monte Video, to Falkland Islands.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A.M																
1	4	4	SW 1/2 S	NW by W	3		29.62	69	65	64	66	bczm	Str	8	L	Jib, F.T.M. staysail fore
2	2	0	S	NW	2-3		29.62	68	65	64	66	"	Str Nimb	6	"	sail, single reefed topsail
3	1	6	SSE	W by N	1-2		29.62	68	65	64	66	"	"	7	"	Trysails and spanker
4	1	5	S by E	"	1-2		29.62	68	65	64	66	bcz	Str	7	"	
5	2	0	SSW	West	1-2		29.69	68	65	64	66	"	Cir Ni	6	"	
6	2	5	S by W	W by S	1-2		29.70	68	65	64	66	"	"	7	"	Shook out reefs, set Single reefed M. sail and
7	2	7	S	WSW	2		29.71	67	65	64	66	bczf	"	7	"	gaff topsail.
8	2	6	"	"	1-2		29.72	67	66	65	66	"	"	8	"	
9	3	0	"	"	3		29.74	67	66	65	63	bcbf	"	9	"	Density 26.
10	3	2	S 1/4 W	"	3		29.76	66	66	65	63	bc	"	8	"	
11	3	2	S 1/2 E	"	3		29.78	65	66	64	63	"	"	8	"	
Noon	3	6	S by E 1/2 E	SW	3		29.79	65	66	64	62	"	"	8	"	
[Note in left margin reads at 8 AM " S 37° 24 W 56° 18 "]																

[Note in left margin reads at 8 AM "S 37° 24 W 56° 18 "]

Distance run by Log since preceding Noon	77 knots	Tenths 3 fathoms.		
Latitude by D. R. at Noon	S 39 °	29	'	"
Longitude by D. R. at Noon	W 56 °	35	'	"
Latitude by Observations at Noon ⊕	S 39 °	26	'	48 "
Longitude by Chronometer from Forenoon Observations ⊕	W 56 °	18	'	"
Current during the time	knots 6	TENTHS fms. per hour, setting to the	E by N	
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM Lat 39° 24' S Long 56° 18' W	E. 12	°	"	"
Water expended during the preceding 24 hours		300	gallons	
Water Condensed during the preceding 24 hours		400	"	
Water remaining on hand fit for use at noon		2700	"	
Coal consumed during the preceding 24 hours	Tons	lbs.		
Coal remaining on hand at Noon	"	"		

[Note in left margin reads "Sg. No. 589"]

P,M															
1	3	7	S by E 1/2 E	SW by W	3	29.80	67	66	64	62	bcbg	Cir Str	8	L	
2	3	7	"	"	3	29.82	67	66	64	62	"	"	8	"	
3	4	0	"	"	3	29.84	67	66	64	62	"	"	8	"	
4	3	8	S by E 3/4 E	"	3	29.85	68	66	64	62	"	"	8	"	
5	3	6	S 1/2 E	WSW	3	29.83	66	65	64	62	"	"	9	"	
6	3	2	S	"	2-3	29.83	65	64	62	62	"	"	6	"	
7	1	0	"	"	3	29.86	67	65	64	62	"	"	7	"	
8	2	8	S 1/4 E	"	3	29.88	65	62	61	62	"	"	7	"	Single reefed topsails.
9	1	4	NW 1/2 W	"	1-2	29.88	65	60	60	60	bogn	"	9	"	
10	1	0	NW	"	1	29.88	65	60	61	58	"	"	9	"	
11	1	0	NW by W	W by S	1	29.88	65	60	60	56	"	"	9	"	
Mid.	1	4	S by W	"	1	29.89	65	61	61	56	"	"	9	"	

[Note in left margin reads "S 39° 54' W 56° 38' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

observed at Sunset

at

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, January 18th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and pleasant, hazy and cloudy around horizon. Smooth sea. Bar. steady. Light breeze from N.W. to W. by N. ~~offing~~ ~~1.30 & 2 AM~~ Taken aback at 1.30, braced around after yards several times. Hauled up mainsail, set it and again hauled up, took in gaff topsail.

L. P. Jerrett
Master

4 to 8 A.M. Clear and pleasant. Hazy. Fog bank lying partly around the horizon. Bar. rising steadily. Smooth sea. Light airs to light breeze from West to W.S.W. Density of sea water 25. At 6. o'clock shook reefs out of topsails, and set mainsail single reefed and gaff topsails.

Sam. C. Lemly
Ensign

8 AM. to Merid. Clear and pleasant. Fog bank around the horizon first part of watch. Light breeze from W.S.W. to S.W. Smooth sea. Bar. rising; at noon 29.79 Density 26.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Hazy around horizon. Gentle breeze from S.W> by W. Bar. rising. Long swell from S. & W. At 3.30 made a sail, one point on lee bow. Density sea water 26. Full and by.

L. P. Jerrett
Master

4 to 6 P.M. Clear and pleasant, hazy around horizon. Gentle breeze from W.S.W. Bar. steady. Long swell from N. & W. At 5.35 sighted another sail 2 points on the lee bow. Exchanged colors with Am. Whaler "George and Susan", at 6.53 hove to. M. topsail to mast, and communicated.

Sam. C. Lemly
Ensign

6 to 8 P.M. Clear and pleasant. Light breeze from W.S.W. Smooth sea. Bar. rising steadily. The Captain of the "George and Susan" and his wife came on board, at 7.45 they left the ship and we filled away and stood in close hauled. At 7.15 took one reef in topsails. Density of sea water 25.

C. B. T. Moore
Ensign

From 8 PM to Mid. Clear and pleasant. Hazy around the horizon. Long swell from S.W. Light breeze from W.S.W. to W. by S. At 8 tacked ship and at 11. Density of sea water 26.

L. P. Jerrett
Master

Moons phase Last qr Dec. S 27°

C. K. Curtis
Lieutenant

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	0	5	S	WSW	1		29.88	66	61	61	56	bcnz	Cir Str	8	S	T.G. sails single reefed topsails, jib, F.T. staysail and M. sail.
2	0	5	"	"	1		29.86	68	61	60	56	"	"	8	"	Hauled up M. sail
3	0	5	S 1/2 W	"	1		29.86	68	61	60	56	"	"	7	"	Took in spanker and G. topsail.
4	0	5	"	"	1		29.84	68	60	60	56	"	"	7	"	
5	1	5	SW	N by W	2		29.84	65	59	59	56	"	Cir Str	8	"	
6	1	5	"	"	2		29.88	65	60	60	56	bc	"	8	"	
7	2	0	"	NNW	2		29.88	65	60	60	56	"	"	7	"	
8	3	5	"	NW	3		29.90	63	60	60	56	"	"	8	"	
9	5	5	"	NW by N	4		29.90	62	61	61	56	"	"	6	"	
10	5	5	"	NW	3-4		29.90	63	62	62	56	"	"	5	"	
11	5	5	"	NW by N	4		29.90	63	63	62	56	"	"	4	"	
Noon	5	2	"	NW	3-4		29.88	64	64	63	56	"	"	5	"	

[Notes in left margin reads: At 8 AM " S 39° 30' W 56° 11'; at noon " Sg. 589"]

Distance run by Log since preceding Noon	62 knots	Tenths 8 fathoms.	
Latitude by D. R. at Noon	S 40 °	11	20 "
Longitude by D. R. at Noon	W 56 °	54	"
Latitude by Observations at Noon ⊕	S 40 °	2	"
Longitude by Chronometer from Forenoon Observations ⊕	W 56 °	34	"
Current during the time 0 knots 7 TENTHS fms. per hour, setting to the NE by E			[Note in left margin reads "Sg No. 576"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat 39° 50' S Long 56° 11 W	E 11 °	20	"
Water expended during the preceding 24 hours		300 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		2400	"
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M																
1	3	2	SW	NW	3		29.85	65	65	65	61	bc	Cir Str	6	S	
	1	6	sw 1/2 w	"												
2	5	2	"	"	4		29.84	65	65	65	61	"	"	6	"	
3	4	2	"	NW by N	2-3		29.82	65	66	66	61	"	"	4	"	
4	1	0	"	baffling	0-1		29.82	66	68	68	60	"	"	6	"	
5			No steerage way	Calm	0		29.82	67	68	68	61	"	"	6	"	
6			"	"	0		29.82	68	67	67	61	bcz	"	6	"	
7			"	"	0		29.82	67	66	66	61	"	"	5	"	
8	0	5	sw 1/2 w	se by s	1		29.85	67	64	64	61	"	"	5	"	
9	0	5	SW	SE	0-1		29.86	67	64	64	61	bczw	"	8	"	
10	0	5	"	E	0-1		29.87	68	64	64	61	bcm	None	8	"	
11	0	5	"	SSE	0-1		29.87	68	63	63	61	"	"	8	"	
Mid.	1	5	"	"	1		29.87	67	62	62	61	"	"	8	"	

[Note in left margin at 8 PM reads "S 40° 11 W 56° 48' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, January 19th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and very damp. Hazy around horizon. Light airs from W.S.W. At 12.30
hailed up mainsail, took in spanker and gaff topsail. At 1.10 moon rose. Density sea water 25.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant, hazy around horizon. Light airs from N. by W. to N.W. Bar.
rising. Smooth sea. At 5.45 crossed royal yards, shook reef out of topsails and made sail to
royals. Two whaling ships in sight. Hydrometer broken by accident.

C. K. Curtis
Lieut.

8 AM. to Merid. Clear and pleasant. Gentle to moderate breeze N.W. Bar. steady. Smooth sea.
Divisional inspection at 9.45. At 10 the Comdg. Officer inspected ship and crew at quarters.
Prayers immediately afterwards. Two whaling vessels in sight.

L. P. Jerrett
Master

Merid. to 4 P.M. Clear and pleasant, hazy around horizon, and fog bank to S. & E. Light breeze
from N.W. first three hours of watch. Light baffling airs last hour. Braced around twice. Took in
mainsail at 3.25. Smooth sea. At 12.40 changed course to S.W. 1/2 W. At 3.50 took in spanker
and gaff topsail. Two sail in sight during watch.

Sam. C. Lemly
Ensign

4 to 6 P.M. Cloudy and pleasant. Calm. Hazy. No steerageway. Density of seat water [blank]

C. B. T. Moore
Ensign

6 to 8 P.M. Pleasant weather. Light cir. str. clouds. Hazy. Calm and light airs. Bar. rising.
Smooth sea.

L. P. Jerrett
Master

8 PM to Mid. Clear and pleasant. Thick haze around the horizon. Damp. Smooth sea. Bar.
steady. Light airs from S.S.E. to E. At 8 changed course to S.W.

Sam. C. Lemly
Ensign

Moons phase last qr Dec. S 26°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1	3	0	SW	SSE	2-3		29.87	65	60	60	59	bczw	None	10	S
2	3	6	"	"	3		29.88	65	60	60	59	"	"	10	"
3	4	4	"	"	3		29.88	64	59	59	59	"	"	10	"
4	4	5	"	SE	5		29.88	64	59	59	60	bcw	Str	9	"
5	3	0	"	"	2		29.91	65	60	60	60	bc	"	9	"
6	2	8	"	"	2		29.94	65	60	60	60	"	"	9	"
7	3	2	"	"	2		29.92	65	60	59	60	"	"	9	"
8	4	0	"	"	3		29.94	65	60	59	60	"	"	9	"
9	4	5	SW 1/4 W	SE by S	3		30.00	64	61	60	60	"	"	9	"
10	4	2	SW	SE by S	3		30.02	65	61	60	60	"	"	9	"
11	4	5	"	SE	3		30.03	65	62	62	60	b	None	10	"
Noon	4	0	"	SE	3		30.04	65	63	62	60	"	"	10	"

[Note in left margin at 8 PM reads "S 40° 22' W 57° 26' "]

Distance run by Log since preceding Noon	62 knots	Tenths 0 fathoms.	
Latitude by D. R. at Noon	S 40 °	37	' 36 "
Longitude by D. R. at Noon	W 57 °	41	' 45 "
Latitude by Observations at Noon ⊕	S 40 °	31	' 25 "
Longitude by Chronometer from Forenoon Observations ⊕	W 57 °	45	' 56 "
Current during the time	knots 3	TENTHS 100, per hour, setting to the	NNW 1/4 W
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat S40- 21-37 Long W57-26-14	E 11 °	10	" "
Water expended during the preceding 24 hours		200	gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon		2200	"
Coal consumed during the preceding 24 hours	Tons		lbs.
Coal remaining on hand at Noon	"		"

[Note in left margin reads "Sg No 576"]

P,M															
1	2	6	sw	East	2		30.04	64	66	65	60	b	None	10	S
	0	8	sw 1/4 w												
2	3	5	"	"	3		30.04	64	66	65	60	"	"	10	"
3	2	8	"	"	1-2		30.04	64	66	65	60	"	"	10	"
4	2	0	"	"	1-2		30.04	65	66	65	60	"	"	10	"
5	2	2	"	ENE	1-2		30.04	65	64	64	60	"	"	10	"
6	2	0	"	"	1		30.04	65	65	65	63	"	"	10	"
7	1	5	"	NE	1		30.04	65	66	65	64	bz	"	10	"
8	1	0	"	"	1		30.04	65	67	65	64	"	"	10	"
9	0	8	"	"	1		30.04	68	65	64	64	bzm	"	10	"
10	1	0	"	"	1		30.04	68	68	64	64	"	"	10	"
11	2	0	"	"	1-2		30.04	68	65	64	64	"	"	10	"
Mid.	2	0	"	"	1-2		30.05	68	65	64	64	"	"	10	"

[Note in left margin at 8 PM reads " 40° 41 W 59° 06' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

observed at Sunset

at

Took in spanker, F topsail
M. sail F. T. staysail and
F. jib.

under the command of Commander W. S. Schley, U. S. Navy.
Monday, January 20th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Hazy, pleasant weather. Bright starlight. Very heavy dew. Smooth sea. Bar. steady. At 12.12 set mainsail, under all plain sail ~~except~~ with F. T. staysail, except spanker and and [sic] gaff topsail. Moon rose at 2.30.

C. B. T. Moore
Ensign

4 to 8 A.M. Clear and pleasant. Light to gentle breeze from S.E. At daylight made two sails on lee beam, standing to S. & W. At 6.55 set spanker and gaff topsail.

C. K. Curtis
Lieut.

8 AM. to Merid. Clear and pleasant. Gentle breeze from S.E. by S. to S.E. Smooth sea. Bar. rising. At 9.15 sounded the call to general quarters. Divisions reported as follows. 1st Div. 4 m 50 s. 2nd Div. 3 m 25 s. Nav. 3 m 10 s. Powder 3 m 10. M. G. 55 sec. Engrs. 1 m 25 s. Secured in 5 m 20 s. Exchanged colors with two German barques, standing to S. & W. Inspected bags. A number of albatrosses, cape hens and gulls about ship, also several schools of porpoises.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant. Smooth sea. Bar. steady. Light to gentle breeze from East. At 12.45 changed course to S.W. 1/2 W. At 3 changed course again to S.W.

C. B. T. Moore
Ensign

4 to 6 P.M. Clear and pleasant. Smooth sea. Bar. steady at 30.04. Gentle breeze from E.N.E. Two sails in sight, during the watch.

J. P. Jerrett
Master

6 to 8 P.M. Clear and pleasant. Hazy around horizon. Light airs from N.E. At 6.45 took in mainsail, spanker, gaff topsail, F.T. staysail and F. jib. Smooth sea. Bar. steady 30.04.

Sam. C. Lemly
Ensign.

From 8 PM to Mid. Clear and pleasant. Heavy dew and hazy around horizon. ~~Light airs~~ Light breeze from N.E. Smooth sea. Bar. steady 30.05.

C. B. T. Moore
Ensign

Moons phase last qr Dec. S 24 °

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																Jib, foresail, topsails TGT sails, royals.
1	1	5	SW	NE	0-1		30.05	67	65	65	64	bzw	None	10	S	
2	1	6	"	"	1-2		30.05	67	65	65	64	"	"	10	"	
3	1	5	"	"	1-2		30.05	67	65	65	64	"	"	10	"	
4	2	0	"	"	1-2		30.05	67	64	64	64	"	"	10	"	
5	2	0	"	"	1-2		30.05	67	65	65	63	"	"	10	"	
6	1	5	"	"	1-2		30.05	67	65	66	63	b	"	10	"	
7	1	2	"	"	1-2		30.06	68	66	66	63	"	"	10	"	
8	1	5	"	"	1-2		30.08	68	67	66	63	"	"	10	"	
9	1	0	"	"	1-2		30.08	69	68	66	63	"	"	10	"	
10	1	0	"	"	1		30.08	69	68	66	63	"	"	10	"	
11	1	5	"	"	1		30.08	69	68	66	63	"	"	10	"	
Noon	1	8	"	"	1		30.10	71	71	67	63	"	"	10	"	

[Note in left margin at 8 AM reads "S 40° 52' W 58° 37' "]

Distance run by Log since preceding Noon	42 knots	Tenths 9 fathoms.	
Latitude by D. R. at Noon	S 40 °	55 ' 07 "	
Longitude by D. R. at Noon	W 58 °	33 ' 01 "	
Latitude by Observations at Noon ⊕	S 40 °	54 ' 32 "	
Longitude by Chronometer from Forenoon Observations ⊕	W 58 °	42 ' 25 "	
Current during the time knots .4	TENTHS fms. per hour, setting to the NW 1/2 W		[Note in left margin reads "Sg No 576"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. Lat. S 40-51-38 Long W 58-36-37	E 11 °	"	"
Water expended during the preceding 24 hours		300 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1900 "	
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M																
1	1	8 0	sw 1/2 s	NE	2		30.10	71	74	72	65	b	None	10	S	Set spanker & g. topsail
2	3	0	"	"	3		30.09	69	71	70	66	"	"	10	"	
3	3	2	"	"	3		30.07	69	70	69	66	"	"	10	"	
4	3	0	"	"	3		30.07	69	72	70	67	"	"	10	"	
5	3	0	"	"	3		30.07	69	73	72	66	"	"	10	"	
6	3	0	"	NE by N	3		30.07	70	73	72	66	"	"	10	"	
7	3	4	"	NNE	3-4		30.05	69	71	70	66	"	"	10	"	
8	4	0	"	"	4		30.04	69	68	68	65	"	"	10	"	
9	4	0	"	"	3		30.03	68	68	68	65	"	"	10	"	
10	4	2	"	"	3		30.02	71	68	68	65	"	"	10	"	
11	4	6	"	"	4		30.01	71	68	68	65	"	"	10	"	
Mid.	5	2	"	"	4		30.00	71	68	68	66	bf	"	10	"	
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"		
Longitude by Chronometer Observations												°	'	"		
Variation of the Compass by Amplitude												°	'	"		
Variation of the Compass by												°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, January 21st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and pleasant. Hazy around the horizon, and very damp. Smooth sea. Bar. steady. Light airs to light breeze from N.E. Strong S.W. under jib, foresail, topsails, togt.[topgallant] sails and royals. Moon rose at 3.50.

L. P. Jerrett
Master

4 to 8 A.M. Clear and pleasant. Smooth sea. Light breeze from N.E. Bar. rising 30.08. At 8 steering S.W. No change made in sail. The two barks sighted yesterday, sighted at 4 A.M. about 2 points on port bow.

C. K. Curtis
Lieut

From 8 AM. to Merid. Clear and pleasant. Light airs from N.E. Smooth sea. At 9.15 inspected at quarters. At 10 had dress parade. August Gross and L. D. Darragh were rated from O.S.2nd Cl. to O.S. from the 1st inst. inclusive by order of Comdg. Officer.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Clear and pleasant. Gentle breeze from N.E. Smooth sea. Bar. falling. At 1.30 set spanker and gaff topsail.

L. P. Jerrett

4 to 6 P.M. Clear and pleasant, with light breeze from N.E. & N.E. by N. Bar. falling smooth sea.

Sam. C. Lemly
Ensign

6 to 8 P.M. Clear and pleasant, with light increasing breeze from N.N.E. Steering S.W. 1/2 S. under jib, royals, T. G. sails, topsails, foresail, spanker and gaff topsail. Smooth sea. Bar. falling 30.03 at 8 oclock [o'clock].

C. B. T. Moore
Ensign

8 PM to Mid. Clear and pleasant. Gentle to moderate breeze from N.N.E. On course S.W. 1/2 S. Hazy around horizon.

L. P. Jerrett
Master

Moons phase last qr Dec. S 21°

C. K. Curtis
Lieutenant

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	6	8	SW 1/2 S	N by W	5-6		29.98	68	65	64	64	of	-	0	S	Set mainsail
2	6	5	"	"	5		29.97	68	64	66	60	"	-	0	"	
3	5	5	"	"	5		29.95	67	64	64	64	"	-	0	"	
4	5	6	"	NNW	4		29.95	67	67	64	64	"	-	0	"	
5	5	6	"	N	4		29.95	66	64	64	64	ofm	-	0	"	
6	5	8	"	"	5		29.95	66	64	64	64	"	-	0	"	
7	7	5	"	"	5		29.95	66	64	64	64	"	-	0	"	
8	8	0	"	"	5		29.95	65	64	64	64	"	-	0	"	
9	6	8	"	NW	4		29.94	65	64	64	64	om	-	0	"	
10	6	6	"	NNW	4		29.92	65	65	65	64	"	-	0	"	
11	7	2	SW by S	"	4		29.90	66	65	65	64	"	-	0	"	Set F.T. staysail
Noon	8	2	"	"	4		29.87	66	65	65	64	oz	Cir Nimb	0	"	

[Notes in left margin reads: At 5 AM "S 41° 42' W 60° 00"; at 9 AM "S 42° 02' W 60° 32' "]

Distance run by Log since preceding Noon	122 knots	Tenths 3 fathoms.		
Latitude by D. R. at Noon	S 42 °	13	'	8 "
Longitude by D. R. at Noon	W 60 °	47	'	25 "
Latitude by Observations at Noon ⊕	S 42 °	16	'	81 "
Longitude by Chronometer from Forenoon Observations ⊕	W 60 °	52	'	29 "
Current during the time	knots 2	TENTHS fms. per hour, setting to the	SW 1/2 W	[Note in left margin reads "Sg No 577"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at		°	"	"
Water expended during the preceding 24 hours		300	gallons	
Water	during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1600	"	
Coal consumed during the preceding 24 hours		Tons	lbs.	
Coal remaining on hand at Noon		"	"	

P,M																
1	4	4	sw by s ssw 3/4 w	nw	5		29.87	68	67	66	64	bcz	Cir Nimb	1	M	Hauled down T. G. staysail.
2	2	2	"	"	5		29.85	68	67	66	64	"	"	5	"	
3	6	5	"	"	5		29.84	70	67	66	65	"	"	5	"	Took in royals
4	6	6	"	"	5		29.82	70	67	66	65	"	"	7	"	
5	7	4	"	"	5-6		29.77	67	67	66	65	"	"	5	"	
6	7	5	"	"	6		29.75	67	67	66	65	"	"	2	"	Took in spanker and gaff topsails, took two reefs in topsails and one in foresail
7	8	0	"	"	6		29.72	67	67	66	65	oc	"	0	"	
8	6	4	"	nw by n	7		29.69	68	68	66	65	"	Nimb Str	0	"	
9	1	6	SSW	NW	7-8		29.69	68	67	67	65	"	"	0	"	
10	7	0	"	nw by n	6-7		29.69	68	66	68	65	bc	str	8	"	
11	7	0	"	"	7		29.66	68	66	68	65	"	"	8	"	
Mid.	6	0	"	"	7		29.64	68	68	67	65	bcl	"	8	"	

[Note in left margin at 8 PM reads "S 42° 37' W 61° 36' "]

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, January 22nd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Overcast, rain, and disagreeable weather, heavy fog lifting somewhat last hour.
Fresh to moderate breeze decreasing in force. Bar. falling. At 12.30 set mainsail.

Sam. C. Lemly
Ensign

4 to 8 A.M. Overcast, foggy, and misty. Very damp. Bar. steady. Smooth sea. Fresh breeze
from North. Annular eclipse of sun visible at times, lower limb partly obscured.

C. B. T. Moore
Ensign

8 AM. to Merid. Overcast, and misty. Moderate breeze from N.N.W. Smooth sea. Bar. falling
29.87 at noon. Confined in double irons John Delwon (O.S.) offense, answering back. Exercised
1st and 2nd Div. and Marine Guard at great guns. At 10 changed course to S.W. by S. At 11.15
set F. T. staysail. Under all plain sail, except flying jib. One reef in mainsail.

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy and pleasant. Stiff breeze from N.N.W. At 12.40 changed course to
S.S.W. 3/4 W. At 1 hauled down F. Topmast staysail. A remarkably large school of porpoises
playing around the ship. Hazy atmosphere. Moderate sea setting from N.& W.

Sam. C. Lemly
Ensign

4 to 6 P.M. Cloudy but pleasant weather. Fresh breeze from N.N.W. Moderate sea. Bar. falling.
At 5.30 took in royals. A board of survey met in Pay. Dept. to inspect coffee. Recommended that
the coffee be condemned and ~~recommended to~~ be turned into stores.

C. B. T. Moore
Ensign

6 to 8 P.M. Overcast. Stiff breeze to moderate gale from N.N.W. and N.W. by N. Moderate sea.
Falling barometer. At 7 called all hands, took in spanker and gaff topsail, took two reefs in
topsails and one in foresail.

L. P. Jerrett

8 PM to Mid. Overcast first hour of watch. Clear starlight remainder. Lightening in S. last hour.
~~Puff~~ Very fresh breeze from N.W. to N.W. by N. Moderate sea. Bar. falling. At 8.15 changed
course to S.S.W. At 11.30 took up and furled mainsail. Close reefed F. topsail.

Sam. C. Lemly
Ensign

Moon's phase New moon ~~or Dec.~~ S 17°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots. Tenths fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	6	5	SSW	NW	6-7		29.63	71	68	66	65	bcl	Cir Nimb	6	M	Close reefed topsail
2	6	1	"	"	6-7		29.61	71	68	66	65	"	"	5	"	single reefed fore and
3	6	2	"	"	6-7		29.61	71	68	66	64	"	"	4	"	mainsail and spanker
4	5	6	sw by w 3/4 w	WSW	6-7		29.61	71	68	66	64	"	"	4	"	
5	3	0	s by w	NW	3-5		29.63	68	66	66	64	oc	Cir Cum Nimb	0	"	
6	5	0	SSW	NW by N	4-6		29.58	68	67	66	64	"	"	0	"	
7	4	8	"	"	4-5		29.56	68	67	66	64	"	"	0	"	Set M. sail. Shook one reef out
8	4	5	"	"	4-5		29.54	67	67	64	64	"	"	0	"	of topsail, set T. G. sails.
9	4	0	"	Var.	3-4		29.54	67	67	66	64	"	Nimb Str	0	"	Took in M. sail.
10	4	0	"	NW by N	4-5		29.54	66	67	66	64	"	"	0	"	Set M. sail
11	5	5	"	"	4		29.53	66	67	66	64	ocz	"	0	"	Hoisted Jib, spanker and
Noon	5	2	"	W	0-4		29.54	66	67	66	64	bcgpt	Nimb Cum	0	"	gaff topsail.

[Note in left margin at 8 AM reads "S 44° 01' W 62° 32' "]

Distance run by Log since preceding Noon	143 knots	Tenths -- fathoms.	
Latitude by D. R. at Noon	S 44 °	4	37 "
Longitude by D. R. at Noon	W 63 °	1	29 "
Latitude by Observations at Noon ⊕	S 44 °	14	56 "
Longitude by Chronometer from Forenoon Observations ⊕	W 62 °	49	32 "
Current during the time	knots 5	TENTHS fms. per hour, setting to the	S.E. 1/2 S.
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at 8 AM S 44°01-08 W 62°-32-08	E 14 °	35	" "
Water expended during the preceding 24 hours			300 gallons
Water	during the preceding 24 hours		"
Water remaining on hand fit for use at noon			1300 "
Coal consumed during the preceding 24 hours		Tons	lbs.
Coal remaining on hand at Noon		"	"

[Note in left margin at 8 PM reads "S 44° 32 W 62° 37"]

P,M																
1	3	2	SE	Var.	3-6		29.54	67	66	66	64	ozq	Nimb Cum	0	M	
2	2	8	W by n 1/2 n	sw by s	4-6		29.55	67	64	64	64	"	"	0	"	Shook reefs out of topsails
3	3	0	se 1/2 s	"	5		29.54	66	64	64	64	bcz	Cum Cir Nimb	1	"	And set T. G. sails
4	4	5	se 1/4 e	SSW	3-5		29.58	66	65	65	64	bc	Cum Nimb	4	S	
5	6	4	ese 1/4 e	S	6-5		29.56	66	64	64	64	bc	"	4	"	
6	7	2	E 3/4 S	"	6		29.54	67	63	63	64	"	"	4	M	Took in gaff topsail spanker and mainsail and double reefed topsails
7	3	8	sw 1/2 w	SSE	5-6		29.64	67	62	62	64	"	"	3	"	
8	2	0	SW	Var.	0-3		29.68	67	62	62	64	"	Cum Nimb	2	S	Set Main sail and
9	1	1	sw by w 1/2 w	e by s	2-5	1/2	29.71	67	62	62	64	oc	"	0	"	spanker
10	2	0	s 3/4 w	ESE	5	1/2	29.72	67	62	62	64	ocl	Nimb	0	"	Hauled down jib took
11	2	5	"	"	6-7	1/2	29.72	66	61	61	64	"	"	0	M	in spanker.
Mid.	2	0	S 1/2 W	"	4-0	1/2	29.73	66	61	61	64	"	"	0	M	
Longitude by Chronometer from Afternoon Observations ⊕												°	"	"		
Longitude by Chronometer Observations												°	"	"		
Variation of the Compass by Amplitude												°	"	"		
Variation of the Compass by												°	"	"		

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, January 23rd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant. Continuous flashes of lightening appearing in S.E. horizon. Fresh to very fresh breeze from N.W. at 3.30 shifted suddenly to W.S.W. then gradually veered to W.N.W. Moderate sea and long swell from N. & W. Bar. steady. At 4 on course S.S.W. Atmosphere very dry.

C. B. T. Moore

4 to 8 A.M. Overcast, cloudy, damp and disagreeable. Moderate to stiff breeze from N.W. by N. to N.W. Baffling first hour of watch, shifting from W.S.W. to N.W. Moderate sea. Bar. falling. Set mainsail at 7.50.

C. K. Curtis
Lieut

From 8 AM. to Merid. Overcast, cloudy and damp, gentle to stiff ~~gentle~~ breeze throughout watch from N.W. by N. to W. Wind variable first hour. Bar. steady. Moderate sea. Thunder and passing rain. Showers last hour of watch. At 8.00 took in mainsail, at 9.40 set mainsail. At 10 hoisted jib and set spanker and gaff topsail. At 9.15 mustered and inspected at quarters. Exercised A. Company at single sticks, and Marines at ~~single~~ small arms. Rove off new topsail shute.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast and squally first part of watch. Clear and pleasant last hour. Gentle to fresh breeze from S. & W., dying down at end of watch. Moderate to smooth sea. Bar. rising. At 2 sighted a sail to S.E. At 1.00 wore ship to N. and took in T.G. sails. At 1.45 shook one reef out of topsails. At 2.45 wore ship. At 3 set T.G. sails. At 3.30 shook reefs out of topsails.

C. B. T. Moore
Ensign

From 4 to 6 P.M. Cloudy and pleasant. Fresh breeze from South. Full and by. Moderate sea. Long swell from N. & E.

L. P. Jerrett
Master

From 6 to 8 P.M. Cloudy. First hour wind fresh from S.S.E, baffling and variable last hour. Calm at times. At 6.10 wore ship to S. & W., took in gaff topsail. At 7 took two separate reefs in the topsails. Took in mainsail. Bar. rising.

Sam. C. Lemly
Ensign

From 8 PM to Mid. Overcast. Cloudy. Lightening. Light to fresh breeze from E.S.E. Smooth to moderate sea. Bar. rising. Steering by the wind first three hours. Steering course last hour. At 8.30 set main sail and spanker. At 9.45 took in spanker, and hauled down jib.

C. B. T. Moore
Ensign

Moon's phase ~~New Moon~~ 1st qr Dec. S 12°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	2	8	s 1/2 w	e by s	5		29.74	65	60	60	62	ocmn	Nimb Cum	0	L	Double reefed topsails, single
2	3	0	"	"	6		29.69	65	61	60	62	"	"	0	"	reefed courses, F.T.M staysail
3	3	4	"	"	6		29.68	65	61	60	62	bc	Nimb Str	6	M	
4	3	7	"	"	5		29.70	65	61	60	62	"	Cir Str Nimb	2	"	
5	3	5	"	E	5		29.72	66	61	60	62	"	"	4	"	Shook one reef out of topsails
6	4	0	"	e by n	5		29.76	66	61	60	62	"	"	4	"	set jib, spanker, and staysail
7	4	8	"	"	5		29.76	66	61	60	62	"	"	4	"	
8	5	4	"	"	5		29.74	66	61	60	62	"	"	5	"	Set royals and
9	6	2	"	"	5		29.78	65	63	62	62	"	Cir Cum	6	"	flying jib.
10	6	2	"	"	4-5		29.74	65	63	62	62	"	Cir Nimb	5	"	
11	5	2	"	"	3-4		29.78	64	62	60	62	"	"	3	"	
Noon	7	55	"	E	4-6		29.75	64	62	60	62	"	"	2	"	

[Note in left margin at 8 AM reads "S 45° 00 W 63° 01 "]

Distance run by Log since preceding Noon	76 knots	Tenths 3 fathoms.	
Latitude by D. R. at Noon	S 45 °	27	"
Longitude by D. R. at Noon	W 63 °	17	"
Latitude by Observations at Noon ⊕	S 45 °	23	"
Longitude by Chronometer from Forenoon Observations ⊕	W 63 °	14	"
Current during the time knots fms. per hour, setting to the			[Note in left margin reads "Sg 6"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 AM S 45-00 W 63-1	E 16 °	25	"
Water expended during the preceding 24 hours		300 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1000	"
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 PM reads "S 45° 59 W 63° 34"]

P,M																
1	6	5	S 1/2 W	ENE	4		29.75	64	63	62	61	bcz	Cir Str	6	M	
2	6	0	"	"	5		29.72	64	63	62	61	"	"	7	"	
3	6	2	"	NE	4-5		29.70	64	63	62	61	bc	"	7	"	
4	5	4	"	NNE	4		29.70	64	63	62	61	"	"	7	"	Hauled down jib, and
5	4	5	"	N	3-4		29.68	65	62	62	60	"	"	6	"	T. G. staysail.
6	3	5	"	"	3		29.67	65	63	63	60	"	"	6	"	Took in mainsail,
7	4	4	"	"	3		29.64	64	63	63	60	"	"	7	L	spanker and G topsail.
8	2	2	"	"	1		29.66	67	63	63	60	"	"	7	"	Furled royals, single
9	1	4	S	ENE	1		29.65	66	61	60	60	"	Cir Nimb	3	"	reefed topsails.
10	3	2	"	NE	2		29.65	66	61	60	60	bcm	Nimb	1	"	
11	3	4	"	N	2		29.65	66	61	60	60	"	"	2	"	
Mid.	2	8	"	"	2		29.65	66	61	60	60	"	"	3	"	
Longitude by Chronometer from Afternoon Observations ⊕												°	°	"		
Longitude by Chronometer Observations												°	°	"		
Variation of the Compass by Amplitude												°	°	"		
Variation of the Compass by												°	°	"		

under the command of Commander W. S. Schley, U. S. Navy.
Friday, January 24th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Overcast and misty, with rain to windward first two hours of watch. Clearing up last two. Fresh breeze from E. by S, moderating at end of watch. Moderate sea. Long swell from S. & E. Bar. unsteady. Steering S. 1/2 W. under double reefed topsails, single reefed courses and F. T. skysail.

L. P. Jerrett
Master

4 to 8 A.M. Cloudy and pleasant. Stiff breeze from E. by S. veering to E. by N. Long swell from S.E. Cross sea. Bar. rising at 5.00. Shook one reef out of topsails, and set jib and spanker. At 7.50 set T. G. sails.

C. K. Curtis
Lieut.

8 AM. to Merid. Cloudy but pleasant weather. Gentle to fresh breeze from E. by N. to E. Bar. falling last hour. Long swell from E. At 8.15 shook one reef out of the topsails, and set gaff topsail. At 10 set royals and flying jib. Steering on the course S. 1/2 W.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Moderate to stiff breeze from E.N.E. to N.N.E. Moderate sea. Bar. falling. At 1 luffed up and got a cast of the deep sea lead, at 55 fms. on white sandy bottom. At 1.30 started fires under two boilers, for distilling. At 3.40 hauled down flying jib and fore topmast staysail. Steering course.

L. P. Jerrett
Master

4 to 6 P.M. Clear and pleasant, with moderate breeze from N. moderating in force at end of watch. Moderate sea. Bar. falling. At 4.20 commenced distilling. At 4.45 took in mainsail, spanker and gaff topsail, the wind having veered, and squared away. Steering S 1/2 W.

Sam. C. Lemly
Ensign

6 to 8 P.M. Cloudy and pleasant. Gentle breeze from N. falling to light airs last hour. At 6.30 mustered at quarters. At 7.25 furled royals, and took single reef in topsails. Long swell from N. On course S 1/2 W.

C. B. T. Moore
Ensign

8 PM to Mid. Damp. Cloudy, and at times overcast. Light breeze from E.N.E. veering to N. Bar. steady. Long swell from N. & E. At 8.15 changed course to S. Steering the course. Wind free.

L. P. Jerrett
Master

Moon's phase ~~New Moon~~ 2nd qr Dec. S 6°

C. K. Curtis
Lieutenant

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	WINDS.						BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Tenths of the force.	Courses steered.	Direction.	Force.	Lee-way.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	2	2	S	N	2		29.63	66	61	60	60	cqr	Str	0	S	Jib, F. sail, single reefed
2	3	0	"	NNE	3		29.60	66	61	60	60	bqr	"	2	"	Topsails, to T.G. sail.
3	4	6	"	N	4		29.58	66	61	60	60	ofcml	"	0	"	
4	4	0	"	NNW	3		29.60	66	61	60	60	ocfw	"	0	"	
5	2	8	"	N by W	2		29.58	66	62	62	60	"	None	0	"	
6	1	8	"	NNW	1-2		29.59	66	62	62	60	"	"	0	"	
7	No steerage way			Light var. airs	0-1		29.59	66	62	62	60	"	"	0	"	
8	"			"	"	0-1	29.60	65	62	62	60	"	"	0	"	
9	"			"	Calm	0	29.61	66	62	62	60	of	Cum Nimb	0	"	
10	1	0	NE	ESE	1		29.62	66	62	62	60	"	"	0	"	Shook one reef out of topsails
11	1	3	E by N	SE by S	1		29.60	64	61	60	60	"	"	0	"	set M. sail and F.T.
Noon	1	4	ENE	SE	1		29.58	64	61	60	60	"	"	0	"	staysail.

Distance run by Log since preceding Noon

72 knots

Tenths 2 fathoms.

Latitude by D. R. at Noon

S 46 °

26 ' 50 "

Longitude by D. R. at Noon

W 63 °

42 ' 31 "

Latitude by Observations at Noon ⊕

S 46 °

31 ' 16 "

Longitude by Chronometer from Forenoon Observations ⊕

°

' "

Current during the time knots TENTHS ~~per~~ per hour, setting to the

[Note in left margin reads "Sg. No.561"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

°

" "

Variation of the Compass by Azimuth ⊕ observed at

°

" "

Water expended during the preceding 24 hours

300 gallons

Water during the preceding 24 hours

700 "

Water remaining on hand fit for use at noon

1400 "

Coal consumed during the preceding 24 hours

Tons lbs.

Coal remaining on hand at Noon

" "

P,M

1	1	0	S	e by s	1		29.60	64	60	60	60	ocf	Nim	0	S	Set royals and fly. jib.
2		5	SE	Var.	0-1		29.64	64	60	60	60	ocdt	"	0	"	Hauled up M. sail
3	1	5	E by N	s by e	1-2		29.64	64	60	60	60	ocd	"	0	"	
4	1	6	NE by E	SE	2		29.57	63	60	60	60	ocpt	"	0	"	Took in gaff topsail
5	2	7	S	"	4-6		29.53	63	60	60	60	oczww	Nim Cum	0	"	and T.G. sails &
6	2	5	ssw 1/4 w	"	4		29.54	63	60	60	60	ozw	"	0	"	Set topgallant sails.
	1	6	ENE	"												
7	3	4	NE by E	"	5		29.55	63	59	59	60	"	"	0	"	
			1/2 E	"												
8	2	0	NE by E	se by e	4		29.55	63	59	59	60	"	"	0	"	
9		6	ne 1/4 e	"	4		29.56	63	59	59	60	oz	"	0	"	
		4	S	ESE	4											
10	1	2	S by E	E by S	4		29.56	63	59	59	60	"	"	0	"	Hauled down jib.
11	1	0	S 1/2 E	"	4		29.54	63	59	59	60	"	"	0	"	
Mid.	1	2	S	ESE	4		29.52	63	59	59	60	"	"	0	"	Hauled up M. sail.

Longitude by Chronometer from Afternoon Observations ⊕

W 63 °

44 ' 22 "

Longitude by Chronometer Observations

°

' "

Variation of the Compass by Amplitude

observed at Sunset

°

' "

Variation of the Compass by

at

°

' "

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, January 25th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Overcast, cloudy and damp throughout. Hazy first three hours, and thick fog last hour. Light to moderate breeze from E.N.E. to N.N.W. Bar. unsteady. Sea smooth. Distilling with 25 lbs. steam in two boilers. Steering course.

Sam. C. Lemly
Ensign.

4 to 8 A.M. Overcast, with thick fog. Very damp. Light breeze from N. & W. first two hours. At 6.15 wind shifted to S. and braced sharp up on starboard tack. Light variable from S. remainder of watch. No steerage way last two hours. Steaming S. first two. Sea smooth. Bar. rising.

C. K. Curtis
Lieut.

8 AM. to Merid. Overcast. Foggy. Calm to light variable airs from E.S.E. to S.E. by S. At 10 turned reef out of topsails. At 10.15 got cast of deep sea lead. ~~No~~ bottom at 49 fms. At 10.23 set mainsail, at 10.33 set F.T. staysail. Released John Delwon (O.S.) from confinement by order of Comdg. Officer. At 12 wore ship. Full and by.

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy and passing showers. Thunder to S. Long swell from E. Changed course to S.S.E. At 1.10 set royals and fly. jib, and gaff topsails at 12.50. At 1 hauled up mainsail and 1.50 braced round, on stbd. tack and set mainsail. At 3.25 took in royals and flying jib. Fires banked under two boilers. Av. st. pres. 25 lbs. Distilling.

Sam. C. Lemly
Ensign

4 to 6 P.M. Overcast damp and squally. Moderate to fresh breeze from S.E. Smooth sea. Bar. falling. At 4.10 wore ship to S. Took in T. G. sails and G. topsails. At 4.45 set T.G. sails. At 5.20 wore ship to E.N.E. Steering by the wind.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Overcast, hazy and very damp. Moderate breeze from S.E. Smooth sea. Bar. steady. At 6.30 went to quarters, after called all hands, furled T. G. sails took two reefs in topsails, and one reef in foresail. Sent down Royal yards. Hauled down jib and set F. T. staysail.

L. P. Jerrett
Master

From 8 PM to Mid. Overcast, hazy and very damp. Moderate breeze from E.S.E. to E. by S. At 8.30 wore ship. At 9.15 hauled down jib. At 11 hauled up M. sail. Bar. falling 29.52. Distilling. Full and by

Sam. C. Lemly
Ensign

Moon's phase ~~New Moon~~ 2nd qr Dec. S 1 °

C. K. Curtis
Lieut

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video to Falkland Islands.

Hour.	WINDS.					BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
	Knots.	Tenths fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.						Water at surface.
A,M																
1	1	5	S by E	E	3		29.48	60	58	58	60	ocw	Nimb	0	S	Double reefed topsail.
2	1	5	"	"	3		29.45	64	58	58	60	"	"	0	"	F.T. staysail and
3	1	4	S	"	1-2		29.44	64	58	58	60	ocf	"	0	"	spanker, single reefed
4		No steerage way		Calm	0		29.44	64	58	58	60	"	"	0	"	foresail.
5	"		"	"	0		29.40	64	58	58	60	ofw	-	0	"	
6	"		"	SE	1		29.38	64	58	58	60	"	-	0	"	
7	1	5	SW	"	2-3		29.38	63	59	59	60	"	-	0	"	
8	1	0	WSW	s by w	4		29.38	63	59	59	60	"	-	0	"	Set M. sail and spanker. Shook
9	3	0	W by S	"	4		29.36	62	59	58	60	om	Nimb	0	"	reefs out of topsails.
10	2	0	SSW	S	4		29.35	62	58	58	60	"	"	0	"	
11	3	2	WSW 1/2 W	s by e	4		29.34	62	58	57	60	"	Cum Nimb	0	"	
Noon	2	5	ESE	"	4		29.33	61	57	58	60	"	"	0	"	

Distance run by Log since preceding Noon

36 knots

Tenths 5 fathoms.

Latitude by D. R. at Noon

S 46 ° 42 ' 40 "

Longitude by D. R. at Noon

W 63 ° 53 ' 34 "

Latitude by Observations at Noon ⊕

° ' "

Longitude by Chronometer from Forenoon Observations ⊕

° ' "

Current during the time knots TENTHS fms. per hour, setting to the

[Note in left margin reads "Sg No 561"]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

° " "

Variation of the Compass by Azimuth ⊕ observed at

° " "

Water expended during the preceding 24 hours

300 gallons

Water Condensed during the preceding 24 hours

1000 "

Water remaining on hand fit for use at noon

2100 "

Coal consumed during the preceding 24 hours

Tons lbs.

Coal remaining on hand at Noon

" "

P,M

1	2	8	E	SE	5		29.32	61	58	58	60	om	Cum Nimb	0	M	
2	2	2	e 1/2 s	"	6		29.31	61	58	57	60	"	"	0	"	Took two reefs in topsail
3	6	6	se 1/2 e	"	6		29.29	61	58	56	60	"	"	0	"	Furled T.G. sails set
4	7	0	"	"	6		29.32	61	58	56	60	"	"	0	"	M. trysail.
5	7	5	"	"	6-7		29.30	60	58	58	60	oc	"	0	"	
6	7	7	"	"	7		29.25	60	58	58	60	"	Nimb	0	"	Hauled down jib.
7	7	2	"	S	7		29.26	60	58	58	60	"	"	0	"	
8	6	5	"	"	7-8		29.25	60	58	58	60	ocw	"	0	"	
9	5	7	"	"	7-8		29.24	60	58	58	60	"	"	0	"	
10	5	8	"	"	7-8		29.23	59	57	57	60	"	"	0	R	
11	5	8	"	"	7-8		29.22	59	57	57	60	"	"	0	"	
Mid.	5	5	"	"	7-8		29.20	59	57	57	60	"	"	0	"	

[Note in left margin at 8 PM reads "S 47° 20' W 63° 12' "]

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, January 26th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Overcast, cloudy and damp for the last two hours. Light to gentle breeze from East. Bar. falling. Smooth sea. Took in spanker at 3.55.

C. B. T. Moore
Ensign

4 to 8 A.M. Overcast, foggy, damp and misty. Calm first hour. Light airs from S.E. to gentle breeze S. by W. last three hours. Smooth sea. Bar. steady after first hour of watch. Smooth sea. At 4.30 close reefed topsails and furled mainsail. Distilling with 25 lbs steam in two boilers. Steering by the wind.

L. P. Jerrett
Master

8 AM. to Merid. Overcast and misty, with moderate breeze from S. by W. to S. by E. Smooth sea. Bar. falling. 29.33 at noon. At 8.10 set mainsail, spanker and shook one reef out of topsails. At 9.30 got a cast of the lead; bottom at 52 fms. gray sand with black specks. At 9.35 inspected and mustered quarters. Called all hands to muster, and Comdg. Officer read prayers. At 10.15 shook reef out of M. sail, and hoisted the jib. At 11.00 tacked ship, heading E.S.E. on stbd. tack. At 11.45 took in and furled mainsail. Close hauled on stbd. tack heading E.S.E. under topsails, reefs & foresail, spanker, jib and F.T. staysail.

Sam. C. Lemly
Ensign

From Merid. to 4 P.M. Overcast, disagreeable and threatening. Stiff to fresh breeze from S. by E. At 12.10 furled foresail and topsails. At 1.55 M. trysail. At 1.55 coupled propeller and started ahead with steam, under six boilers. Moderate sea, latter part. Heavy scud from S. Av. st. pres. 55 lbs. Av. rev. 46.

C. B. T. Moore
Ensign

4 to 6 P.M. Overcast and cloudy. Cum. & Nimb. clouds. Fresh to very fresh breeze from S. by E. Av. st. pres. 60 lbs. Rev. 51.

L. P. Jerrett
Master

6 to 8 P.M. Overcast, cloudy and threatening weather, blowing very fresh breeze to moderate gale from S. Wind a little puffy. Moderate sea. Bar. steady. Mustered at quarters at 6.30. Steam in 6 boilers. Av. st. pres. 60 lbs. 52 Rev. Steering to course.

Sam. C. Lemly
Ensign

8 PM to Mid. Overcast and misty. Moderate gale from South. Rough sea. Bar. Falling. At 9.30 hauled down F.T. staysail and set F. [unreadable] skysail. Fires under 6 boilers. Av. st. pres. 55 lbs. Rev. 45.

C. B. T. Moore
Ensign

Moon's phase 2nd qr Dec. N. 4°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Monte Video, to Falkland Islands

Hour.	Knots.	Tenths fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	5	5	SE 1/2 E	S	7		29.20	59	56	56	60	[?]			R	F. storm staysail
2	3	8	"	s by w	6		29.20	59	56	52	60				"	M. trysail & spanker.
3	3	0	"	"	6		29.18	59	56	52	60			0	"	
4	4		"	"	6		29.19	57	56	52	60			0	"	
5	3	8	"	"	6-7		29.18	57	55	52	56	ocq		0	"	
6	4	0	"	"	6-8		29.18	56	54	52	56	"	Cum Nimb	0	"	
7	4	0	"	S	6-8		29.20	56	54	52	56	"	"	0	"	
8	2	5	N	"	6-8		29.20	56	54	52	56	"	"	0	"	Set close reef M.T. sl.
9			se by e	SSW	8		29.19	56	54	52	56	oc	"	0	"	Hauled F.T. staysail
10			SE	"	8-9		29.23	60	54	52	56	"	"	0	"	and set storm mizzen.
11			"	"	8-9		29.25	62	54	52	56	"	"	0	"	
Noon			"	"	9		29.23	59	54	53	56	"	"	0	"	

[Note in left margin at 8 & 9 PM reads "S 45° 31' W 62° 23' "]

Distance run by Log since preceding Noon	80 knots	Tenths fathoms.	
Latitude by D. R. at Noon	S 48 °	2 ' 58 "	
Longitude by D. R. at Noon	W 62 °	22 ' 34 "	
Latitude by Observations at Noon ⊕	S 47 °	32 ' 13 "	
Longitude by Chronometer from Forenoon Observations ⊕	W 62 °	19 ' 15 "	
Current during the time	knots .7	TENTHS per per hour, setting to the	N 1/4 E
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"
Variation of the Compass by Azimuth ⊕ observed at		°	"
Water expended during the preceding 24 hours		300 gallons	
Water Condensed during the preceding 24 hours		200 "	
Water remaining on hand fit for use at noon		2000 "	
Coal consumed during the preceding 24 hours		Tons lbs.	
Coal remaining on hand at Noon		" "	

[Note in left margin at 8 PM reads "S 47° 37' W 61° 48' "]

P,M																
1				sw by s	8		29.23	58	53	51	56	bcq	Cir Cum Str	2	R	
2	1	5	sse to se	"	8		29.23	58	53	52	56	"	"	2	"	
3	1	5	"	"	6-8		29.26	57	53	52	56	"	"	4	"	
4	1	8	"	"	8		29.27	62	54	52	56	"	"	6	"	Shook one reef out of
5	2	0	SE	"	7	2	29.28	66	53	52	55	"	"	9	"	F. sail, took in storm mizzen
6	1	8	"	"	6	2	29.32	66	53	52	55	"	Cir Cum	9	"	Set F. storm staysail
7	2	0	SE by E	SSW	5-6	2	29.33	65	53	52	55	"	"	9	"	Shook one reef out of royals Hauled down F. Storm staysail
8	3	0	SE 1/2 E	"	5-6	2	29.34	63	53	52	55	"	Cum Nimb	8	"	
9	2	7	SE	sw by s	4-5	1	29.36	65	52	51	55	"	Nimb Str	7	"	
10	2	5	SE by S	SW	4	1/2	29.37	66	53	51	53	"	"	5	"	Shook reef out of
11	1	8	"	sw by w	2-3	1	29.37	64	52	51	55	"	"	6	"	foresail.
Mid.	1	8	"	"	2-3	1	29.37	62	52	51	53	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Monday, January 27th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Overcast. Disagreeable. Fresh to very fresh breeze, blowing puffs from S. to S. by W. On course S.E. 1/2 E. Heavy swell from S.E. Rough sea. Av. st. pres. 55 lbs. Av. rev. 30. Bar. steady 29.19.

L. P. Jerrett
Master

From 4 to 8 A.M. Overcast and cloudy. Fresh breeze to moderate gale from S. by W. hauling to S. blowing in squalls. Steering course S. E. 1/2 E. until 7.40 when close reefed main topsail, and set it. Banked fires and lay to . Heavy swell from S. Bar. rising 29.20 at 8 o'clock. Av. st. pres. 50 lbs. Av. rev. 38.

C. K. Curtis
Lieut

8 AM. to Merid. Overcast and cloudy, blowing moderate to strong gale from S.S.W. Lying to heading about S.E. Rough sea. Bar. unsteady. At 8.15 set storm mizzen and hauled down fore storm staysail. Rolling heavily. Banked fires under six boilers. Av. st. pres. 40 lbs. Distilling.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Partly overcast, first of watch but clearing clearing [sic] up all the time. Moderate gale from S.W. by S. Sea rough. Ship rolling heavily at times. At 12.10 set close reefed fore topsail and foresail and hoisted F. T. staysail. At 12.35 stopped distilling. Lying to, heading between S.E. & S.S.E. Bar. rising. 29.27 at 4 P.M.

L. P. Jerrett
Master ~~Ensign~~

From 4 to 6 P.M. Clear, cool and pleasant, fresh to very fresh breeze fro S.W. by S. blowing in puffs. At 4.05 shook reef out of foresail, took in storm mizzen and set spanker. At 4.20 set F. storm staysail. Rough sea. Light [unreadable] from S. & W. Fires banked six boilers. Av. pres. 25. Distilling. Rolling occasionally from 25° to 30°.

Sam. C. Lemly, Ensign
~~Master~~

From 6 to 8 P.M. Clear and cool. Stiff to fresh breeze from S.S.W. blowing in puffs. Bar. rising. Heavy swell from S. At 6.00 shook reefs out of topsails. At 7.40 hauled down F. storm staysail, and hoisted jib. Distilling. Banked fires under 6 boilers.

C. B. T. Moore
Ensign

From 8 PM to Mid. Cloudy and cool. Stiff to light breeze from S.W. by S. to S.W. by W. Bar. steady. Rough sea. Rolling heavily at times. Steering by the wind first hour. Steering the course next three hours. At 9.10 shook reef out of foresail. Banked fires under six boilers. 25 lbs steam. Distilling.

L. P. Jerrett
Master ~~Ensign~~

Moon's phase 2nd qr Dec. 9° N

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Monte Video, to Falkland Islands

Hour.	Tenths of an hour		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Proportion of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. alt'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	1	5	se by s	SW	1-2		29.37	62	52	50	50	bcl	Nimb Cir Cum	1	L	Double reefed topsails spanker, jib F.T.
2	2	0	"	"	3		29.37	60	51	50	52	"	"	0	"	staysail & M. trysail.
3	2	2	"	sw by s	1-3		29.35	60	51	50	54	ocp	Cum Nimb	0	"	
4	2	3	"	"	3		29.35	59	49	48	54	"	"	0	"	
5	1	0	"	SW	2		29.38	59	49	48	54	op	"	0	"	Furled fore sail, fore and main topsail.
6	1	5	"	S by W	2		29.40	59	49	49	54	o	"	0	"	
7	7	2	se 1/4 s	"	2		29.35	58	48	49	54	op	"	0	"	
8	8	5	"	"	3		29.35	57	49	48	54	bc	"	2	"	
9	8	5	"	sw by s	4		29.30	56	50	49	54	"	"	7	"	Set fore sail, shook
10	8	2	"	"	4-6		29.35	55	50	49	54	"	Cum	5	"	two reefs out of the topsail
11	8	2	"	"	4-5		29.35	55	50	49	54	"	"	8	"	
Noon	7	2	se 1/2 s	SW	5		29.35	55	50	49	54	"	"	8	"	

[Note in left margin at 8 AM reads "S 49° 59' W 61° 14' "]

Distance run by Log since preceding Noon	83 knots															
Latitude by D. R. at Noon	S 48 °	37	'	55	"											
Longitude by D. R. at Noon	W 61 °	16	'	15	"											
Latitude by Observations at Noon ⊕	S 48 °	26	'	39	"											
Longitude by Chronometer from Forenoon Observations ⊕	W 60 °	55	'	10	"											
Current during the time	knots	.7				TENTHS per hour, setting to the	NE 1/2 E									[Note in left margin reads "Sg. No 561 "]
Variation of the Compass by Amplitude ⊕ observed at Sunrise								°	"	"						
Variation of the Compass by Azimuth ⊕ observed at								°	"	"						
Water expended during the preceding 24 hours														300	gallons	
Water						during the preceding 24 hours								200	"	
Water remaining on hand fit for use at noon														2600	"	
Coal consumed during the preceding 24 hours																
Coal remaining on hand at Noon																

[Notes in left margin reads: At 8 PM "S 49° 32' W 60° 14'; at 10 PM "S 50° 00' W 60° 00' "; at 11 PM " Sg No 548 "]

P,M																
1	8	8	se 1/2 s	SW	5		29.35	55	50	48	51	bc	Cum	8	M	
2	8	8	"	sw by s	5		29.33	55	50	48	51	bcq	Cir Cum Nimb	4	"	Shook reef out of topsails
3	9	0	"	SW	5		29.32	55	50	49	51	bc	Cir Str Nimb	7	"	and set T.G. sails.
4	9	2	"	"	5		29.30	55	50	49	51	"	"	8	"	Took in T.G. sails
5	9	2	"	sw by s	4-5		29.30	55	49	48	51	bcq	"	2	"	and took two reefs
6	9	2	"	"	4-5		29.30	55	49	48	51	"	"	2	"	topsails and foresail
7	8	4	"	"	4		29.30	55	48	48	51	bcqp	"	2	"	
8	8	5	"	"	4		29.28	55	48	48	51	bcpq	"	2	"	
9	1	5	"	"	5		29.28	59	48	48	51	bc	Cir Nimb	6	"	
10	9	0	SE	SSW	5		29.28	58	48	48	51	"	"	8	"	
11	8	5	"	"	5		29.28	56	48	48	50	"	"	9	"	
Mid.	8	5	"	"	5		29.28	56	48	48	50	"	"	8	"	
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"		
Longitude by Chronometer Observations												°	'	"		
Variation of the Compass by Amplitude						observed at Sunset						°	'	"		
Variation of the Compass by						at						°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, January 28th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Partly clear first part. Overcast with passing showers. Lightening. Long swell from S. Bar[ometer] 29.35 at 4. Fires banked under six boilers.

Sam. C. Lemly Ensign

4 to 8 A.M. Overcast, cloudy, and cool. Occasional passing rain. Light to gentle breeze from S. by W. At 5.20 spread fires. At 6.00 furled all square sail. At 6.00 coupled propeller and started ahead with steam under six boilers. At 6.00 changed course to S.E. 1/4 S. Av. rev. 58. Av. st. pres. 60 lbs. Long swell from S. & E.

C. R. Curtis
Lieut

8 AM. to Merid. Clear cool, and pleasant. Moderate to fresh breeze from S.W. by S. Long swell from S. & W. Bar. steady. At 8.20 set foresail. At 10 shook one reef out of the topsails, and at 11.05 shook out another reef. Steering course S.E. 1/4 S. Av. st. pres. 62 lbs. Av. rev. 50. At 12 changed course to S.E. 1/2 S. At 9.15 mustered at quarters.

L. P. Jerrett
Master

Merid. to 4 P.M. Clear and cool. Stiff breeze from S.W. and S.W. by S. Moderate sea. Bar. falling. Steering the course. At 1.10 crossed T. G. yards. Shook reefs out of topsails, and set T. G. sails. Slushed spars. Loosed storm sails to dry. Steam in six boilers. Av. st. 55 lbs. Av. rev. 51.

Sam. C. Lemly
Ensign

4 to 6 P.M. Clear and cool, but pleasant, with moderate to stiff breeze and passing rain showers from S.W. by S. Bar. steady at 29.30. Smooth sea. At 4.45 took in and furled T.G. sails. Fires under six boilers. 51 Rev. Av. st. pres. 60 lbs.

C. B. T. Moore
Ensign

6 to 8 P.M. Cloudy and pleasant. Moderate breeze from S.W. by S. Occasional light rain squalls. At 6.10 wind suddenly hauled to South. Called all hands took two reefs in topsails, and furled all square sail. At 6.30 mustered at quarters. Long swell from S. & W. Remarked a very clear double rainbow to S. & E. Av. rev. 52.5. St. [pressure] 60 lbs.

L. P. Jerrett
Master

8 PM to Mid. Clear and cool. Fresh breeze from S.S.W. Bar. steady. Long swell from S. & W. Ship rolling heavily. At 8.10 changed course to S.E. Steering the course. Av. st. pres. 55 lbs. Av. rev. 52.

Sam. C. Lemly
Ensign

Moon's phase 1st qr Dec. N. 14°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, and off Port Stanley, Falkland Island.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	8	2	SE	S	4		29.26	55	48	48	50	bc	Nimb	5	S	
2	8	5	"	"	4-5		29.21	54	48	48	50	bcq	"	7	"	
3	8	7	"	"	5		29.21	54	48	48	50	bc	Cir Str Nimb Cum	3	"	
4	6	8	"	"	5		29.21	54	48	48	50	oc	"	0	"	
5	7	0	"	"	5		29.19	52	47	46	50	ocq	"	0	"	
6	8	4	"	"	5		29.19	51	47	46	51	ocpq	"	0	"	
7	7	8	"	"	4-7		29.17	50	47	46	51	"	"	0	"	
8	7	8	"	"	6		29.15	51	43	43	51	ocq	"	0	"	
9	8	S	"	SSW	6		29.15	57	42	42	50	bc	"	0	M	Set foresail and jib. Hauled down F.T. staysail
10	6 3	6 2	"	SW	6		29.11	60	43	43	50	"	"	2	"	Set topsail.
11	1 0	9 1	"	"	6-8		29.08	60	42	42	50	bcpq	"	2	"	Hauled down and Furled F. sail Tpsl.
Noon	7	5	"	"	6-7		29.03	56	42	42	50	"	"	2	"	Set F.T. staysail.

Note in left margin at 8 AM reads "S 50° 57 ' W 59° 02 ' "]

Distance run by Log since preceding Noon	169 knots	Tenths 2 fathoms.	
Latitude by D. R. at Noon	o	i	"
Longitude by D. R. at Noon	o	i	"
Latitude by Observations at Noon ⊕	o	i	"
Longitude by Chronometer from Forenoon Observations ⊕	o	i	"
Current during the time knots	TENTHS fms. per hour, setting to the		[Note in left margin reads "Sg. No 548 "]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"	"
Variation of the Compass by Azimuth ⊕ observed at	o	"	"
Water expended during the preceding 24 hours		300 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1800	"
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

P,M			Standing into Port Stanley under orders of Comdg Officer													
1	8	4		SW	5		28.98	53	42	42	50	bc	Cir Str Nimb Cum	3	S	
2				"	4-6		28.96	53	43	43	50	bcqp	Cum Nimb	2	"	
3			Steaming in charge of Pilot.	"	4-6		28.95	53	43	43		"	"	2	"	
4			At Anchor	"	4-6		28.93	53	44	43		oczp	Nimb	0	"	
5			S	s by w	3-5		28.91	56	44	44		ocqws	"	0	"	
6			SSW	"	4-6		28.90	56	43	43		"	"	0	"	
7			"	SSW	4-7		28.88	50	42	40		"	"	0	"	
8			"	"	4-7		28.87	58	44	44		ocdq	"	0	"	
9			"	"	4-7		28.85	58	44	44		"	"	0	"	
10			"	"	6-7		28.83	58	44	44		"	"	0	"	
11			"	"	6-7		28.83	56	44	44		"	"	0	"	
Mid.			"	"	6-7		28.83	55	44	44		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	i	"
Longitude by Chronometer Observations	o	i	"
Variation of the Compass by Amplitude	o	i	"
Variation of the Compass by	o	i	"

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, January 29th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Partly overcast and cool. Moderate to stiff breeze from South. Smooth sea. Moderate swell from S.W. Bar. falling first hour of watch. Steady last hour. Steering the course. At 3.30 got a cast of the lead in 75 fms. water, grey sand bottom.

C. B. T. Moore
Ensign

4 to 8 A.M. Overcast, cool and squally, with passing rain showers. Stiff to very fresh breeze from S. Smooth sea. Bar. falling. At 4.10 sent down T. G. yards. At 5.20 hauled down jib and set F. storm staysail. At 7.15 land reported 2 pts. on ~~port~~ stbd bow. Fires under six boilers. Rev. 52. Av. st. pres. 60 lbs.

C. K. Curtis
Lieut.

8 AM. to Merid. Cloudy, cold and pleasant. Fresh breeze from S.S.W. to S.W. At 8.55 hauled down F. storm staysail, set jib and foresail. At 9.45 set topsails. At 10.15 hauled down jib and received a heavy squall with light rain from S.W. At 11.15 called all hands and furled all square sail. Set F. storm staysail. During last two hours two stiff squalls from S.W. passed over. Standing along under the lee of East Falkland Island. Bar. falling considerably. Av. rev. 52. Av. st. [pressure] 60.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Cloudy, cold and disagreeable, with passing showers of rain and sleet. Moderate to fresh breeze from S. by W. to S.W. blowing in squalls. Standing into Port Stanley under charge of Comdg. Officer, until the Pilot came on board at 2.40. Furled fore and aft sails. At 2.10 came to anchor in Port Stanley at 3.30, with stbd. anchor in 4 3/4 fms water, veering to 45 fms. on stbd. chain. Bearings at anchor (p.c) Signal station S.S.W. East point of cemetery S.E. by S.

C. B. T. Moore
Ensign

4 to 8 P.M. Overcast, cloudy, squally, sleety and rainy. Gentle to very fresh breeze from S. by W. to S.S.W. Bar. falling. Smooth sea. At 4.45 sent an officer on shore for the American Consul, who returned with him, and left again at 6.40. Rigged out all boats, except the Launch; took off all chafing gear. Shipped awning stanchions and ridge ropes; got up awnings except poop awning. Shipped accommodation ladders. At 7.30 veered on stbd. chain ~~until the 45 fm~~ until the 45 fms. shackle was at waters edge. At 4.30 hauled fires in 4 boilers, and went on distilling with two.

James H. Oliver
Cadet Midshipman

8 PM to Mid. Overcast wet and disagreeable. Fresh to very fresh breeze from S.S.W. blowing in heavy squalls from S.S.W. Heavy rain and cold. Bar. steady and low 28.83. Distilling.

Sam. C. Lemly
Ensign

Moon's phase 2nd qr Dec. N 18°

C. K. Curtis
Lieut

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Port Stanley, Falkland Islands

Hour.	Knots.	fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1			SE	SE	3-6		28.90	55	42	42		bcpq	Nimb	7	S
2			"	"	3-6		28.93	53	43	43		"	"	4	"
3			S by E	SSE	3-6		28.96	52	44	44		"	"	3	"
4			"	S	3-7		28.98	52	44	44		bcq	"	3	"
5			"	s by e	3-6		29.02	52	45	45		"	Cir Nimb Cum	2	"
6			S by W	S	3-6		29.05	52	46	46		ocq	Nimb Cum	0	"
7			"	"	3-5		29.07	52	46	46		ocqp	"	0	"
8			"	s by w	3-5		29.10	52	46	46		bcqprs	Cir Nimb Cum	2	"
9			S	"	3-5		29.11	57	46	46		"	"	2	"
10			S by W	"	3-5		29.12	60	46	46		bcq	"	2	"
11			"	"	3-5		29.13	63	46	46		"	"	1	"
Noon			SW by S	SW by S	4-6		29.14	63	46	46		bcqs	"	1	"

Distance run by Log since preceding Noon	knots	Tenths fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ⊕	°	' "
Longitude by Chronometer from Forenoon Observations ⊕	°	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	" "
Variation of the Compass by Azimuth ⊕ observed at	°	" "
Water expended during the preceding 24 hours		300 gallons
Water during the preceding 24 hours		300 "
Water remaining on hand fit for use at noon		1800 "
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1			SSW	SSW	4-6		29.15	65	45	45		bcqh	Cir Nimb Cum	1	S
2			"	"	4-6		29.18	66	45	45		bcqp	"	2	"
3			SW by S	SW by S	4-6		29.20	67	46	46		"	"	2	"
4			"	"	4-6		29.20	67	46	46		"	"	4	"
5			S	"	4-6		29.22	69	46	46		"	Nimb	0	"
6			SSW	s by w	3-5		29.25	69	46	46		"	"	2	"
7			"	S	3-5		29.27	69	44	44		"	"	3	"
8			"	"	3-5		29.27	69	44	44		bcq	Cir Cum Nimb	2	"
9			"	s by w	3-5		29.27	67	45	46		"	"	4	"
10			S by W	"	2-5		29.29	67	45	46		"	"	2	"
11			"	"	2-4		29.30	67	45	46		ocq	"	0	"
Mid.			S	"	2		29.30	67	45	46		oc	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕	°	' "
Longitude by Chronometer Observations	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, January 30th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool at times, clearing to bright starlight. Passing showers of rain. Wind gentle to very fresh, blowing in squalls from S. to S.E. Bar. rising.

C. B. T. Moore
Ensign

4 to 8 A.M. Overcast, cloudy, cool and squally. Passing showers of rain and sleet last hour of watch. Gentle to fresh breeze from S. by E. to S. by W. in squalls. Bar. rising. Smooth sea.

James H. Oliver
Cadet Midshipman

8 AM. to Merid. Overcast. Cloudy. Cool. Squally. Passing showers of rain and sleet, during watch. Gentle to stiff breeze from S. by W. and S.W. by S. Barometer rising slowly.

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy and cool. Moderate to fresh breeze from S.S.W. to S. W. by S. Frequent fresh squalls, and passing rain. Confined in double irons T. G. Roberts (O.S.) for being drunk on duty, to await action of Comdg. Officer. Bar. rising. At 12 Comdg. Officer, Lieut. Curtis, and Cadet Midshipman Oliver left the ship to pay an official visit to the governor.

Sam. C. Lemly
Ensign

4 to 8 P.M. Cloudy and cool, with passing showers of rain. Wind gentle to fresh from S. to S.W> by S. blowing in squalls. Bar. rising.

C. B. T. Moore
Ensign

8 PM to Mid. Clear and cool two hours, overcast last two. Wind gentle stiff and in squalls from S. by W. Bar. rising 29.30. Sea smooth.

L. P. Jerrett
Master

Moons phase at First qr. N. 22 °

C. K. Curtis
Lieut

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Port Stanley, Falkland Islands.

Hour.	Knots.	fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1			SW	s by w	1		29.30	68	46	46		r	Cum Str	0	S
2			SSW	SSW	1		29.32	69	46	46		"	"	0	"
3			"	"	1		29.33	70	46	46		"	"	0	"
4			sw by w	sw by w	1		29.33	70	47	46		"	"	0	"
5			WSW	WSW	1		29.36	70	47	46		oc	Cir Cum Nimb	0	"
6			WNW	"	1-2		29.40	70	46	46		bc	"	2	"
7			W	W	2		29.40	70	46	46		oc	"	0	"
8			NE by N	WNW	2		29.40	68	45	45		bc	St Cum Nimb	1	"
9			NNW	NNE	1		29.37	68	45	45		"	Cir Nimb Str	2	"
10			"	NNW	2		29.38	68	45	45		bc	Nimb Str	0	"
11			NE by N	NE	1-2		29.38	69	48	48		"	"	0	"
Noon			N by W	N	1-2		29.39	69	47	47		"	"	0	"

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊕ ° ' "

Longitude by Chronometer from Forenoon Observations ⊕ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise ° " "

Variation of the Compass by Azimuth ⊕ observed at ° " "

Water expended during the preceding 24 hours 300 gallons

Water during the preceding 24 hours "

Water remaining on hand fit for use at noon 1500 "

Coal consumed during the preceding 24 hours Tons lbs.

Coal remaining on hand at Noon " "

P,M															
1			NW	NNW	1-2		29.39	69	48	48		oc	Nimb	0	S
2			"	"	2		29.40	70	48	48		"	"	0	"
3			"	NW	2-5		29.40	71	48	48		"	"	0	"
4			"	"	1-2		29.40	71	48	48		ocr	"	0	"
5			NNW	NNW	1-2		29.40	71	48	48		ocp	"	0	"
6			"	"	1-2		29.40	70	48	48		"	"	0	"
7			"	"	2		29.40	69	46	46		"	"	0	"
8			"	"	2		29.40	69	46	46		"	"	0	"
9			NW by N	NW	0-1		29.40	70	49	48		oc	"	0	"
10			NW	"	1-2		29.39	68	49	48		ocd	"	0	"
11			WNW	WNW	1		29.38	67	49	49		"	"	0	"
Mid.			"	"	1		29.38	67	49	49		oc	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕ ° ' "

Longitude by Chronometer Observations ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Friday, January 31st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast, cool, and pleasant. Light airs from S. by W. to S.W. by W. Bar. rising slight. Banked fires under two boilers for heating ship.

Sam. C. Lemly
Ensign

4 to 8 A.M. Cloudy and cool. Overcast most of watch. Light breeze from W.S.W. to W.N.W. bar. steady. Received fresh provisions for crew. The Italian man of war "Governolo" got underway at 8 oclock [o'clock].

C. B. T. Moore
Ensign

8 AM. to Merid. Overcast and cool. Light airs to light breeze from N.E. to N.N.W. Bar. rising smooth sea. At 8.20 the Italian man of war "Governolo" passed out of the harbor. At 11.30 the Colonial Secretary came on board to pay an official visit to the Comdg. Officer, in return for the visit made yesterday to the Governor of the Falkland Islands.

C. K. Curtis
Lieut

Merid. to 4 P.M. Cloudy and overcast with light rain last hour. Light to gentle breeze from N.W. Received in Engs. Dept. 34 bags peat.

L. P. Jerrett
Master

4 to 8 P.M. Overcast. Light passing rain. Light airs to light breeze from N.N.W. Received on board 66 bags of peat. Bar. steady. 29.40.

Sam. C. Lemly
Ensign

8 PM to Mid. Overcast with occasional drizzling rain. Bar. falling. Smooth sea. Light airs to light breeze from N.W. and W.N.W.

C. K. Curtis
Lieut.

Moons phase in 2nd qr Dec. N. 25°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Off Port Stanley, Falkland Island

Hour.	Knots.	fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1			WNW	NW	0-1		29.41	63	49	49		bcf	Nimb	8	S
2			W by N	"	1		29.41	63	49	49		bc	Cir Nimb	9	"
3			"	"	1		29.41	60	49	49		"	"	8	"
4			"	W	1		29.41	58	49	49		"	Cir Str	9	"
5			"	W by N	2		29.43	58	48	48		"	"	8	"
6			"	"	2		29.44	61	48	48		"	"	8	"
7			"	"	2		29.44	62	49	49		"	Cum Str Nimb	8	"
8			NW	NW	3		29.43	64	50	50		o	"	0	"
9			N by W	N by W	2-3		29.43	66	50	50		bc	"	1	"
10			N	N	3		29.39	66	50	50		"	"	3	"
11			N by W	"	3-5		29.35	66	52	52		bcp	"	3	"
Noon			"	"	3-5		29.32	63	52	52		bc	"	4	"

Distance run by Log since preceding Noon	knots	fathoms
Latitude by D. R. at Noon	o	' "
Longitude by D. R. at Noon	o	' "
Latitude by Observations at Noon ⊕	o	' "
Longitude by Chronometer from Forenoon Observations ⊕	o	' "
Current during the time knots fms. per hour, setting to the		
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	" "
Variation of the Compass by Azimuth ⊕ observed at	o	" "
Water expended during the preceding 24 hours		300 gallons
Water Condensed during the preceding 24 hours		300 "
Water remaining on hand fit for use at noon		1500 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M															
1			NNW	NNW	3-5		29.30	63	54	54		ocpq		0	S
2			NW	NW	4-6		29.25	65	55	55		ocq		0	"
3			"	NW by N	5-7		29.21	67	56	56		bcq		3	"
4			WNW	NW	3-4		29.20	68	56	56		bc		4	"
5			NW by W	NW by W	3		29.19	70	57	57		"	Cum St Nimb	2	"
6			W	W by N	3		29.18	71	57	57		"	Cir St Nimb	1	"
7			WNW	"	3		29.18	72	56	56		"	"	1	"
8			W by N	w by n	3		29.18	74	56	56		"	"	1	"
9			W	WNW	2-3		29.17	71	55	55		"	"	2	"
10			"	"	3		29.18	72	54	54		"	"	4	"
11			SW by W	WSW	3		29.18	72	54	54		"	"	6	"
Mid.			WSW	SW	3		29.18	71	53	53		"	"	4	"

Longitude by Chronometer from Afternoon Observations ⊕	o	' "
Longitude by Chronometer Observations	o	' "
Variation of the Compass by Amplitude observed at Sunset	o	' "
Variation of the Compass by at	o	' "

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, February 1st, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and cool, foggy, first part of first hour of watch. Light airs from N.W. to W.
Bar. steady.

L. P. Jerrett
Master

4 to 8 A.M. Clear and pleasant, last hour overcast. Light to gentle breeze from W. by N. to N.W.
Received 32 bags of peat. Bar. steady 39.43.

Sam. C. Lemly
Ensign

8 AM. to Merid. Cloudy and cool, light rain showers at 10.30. Light to stiff breeze from N. to N.
by W. Dismounted No. 1 gun to repair axles. Bar. falling 29.52 at noon.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Overcast, cloudy and squally. Rain shower first hour. Gentle to very fresh
breeze, blowing in squalls from N.N.W. to N.W. Bar. falling. Smooth sea. Board of survey
condemned 240 lbs. bread dust in Pay. Dept.

C. K. Curtis
Lieut.

From 4 to 8 P.M. Clear and pleasant. gentle N. and Westerly breezes. Bar. steady.

L. P. Jerrett
Master

From 8 PM to Mid. Cloudy, pleasant weather. Light to gentle breeze fro W.N.W. hauling to S.W.
Bar. steady. 29.18 at 12.

C. B. T. Moore
Ensign

Moons phase in 2nd qr Dec. N 26 °

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Port Stanley, Falkland Islands

Hour.	Knots.	fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1			WSW	WSW	1-2		29.19	66	52	52		bc	Cir	9	S	
2			W	W	2-3		29.19	66	51	51		"	"	9	"	
3			W by S	W by S	2		29.19	63	50	50		"	"	9	"	
4			WNW	W	1		29.19	63	50	50		"	"	9	"	
5			W	"	2		29.20	62	49	48		"	Str	9	"	
6			W by N	"	2		29.22	64	49	48		"	Cir Str	8	"	
7			WNW	"	2-3		29.23	64	51	50		"	"	6	"	
8			"	WNW	2-3		29.24	67	53	52		"	"	4	"	
9			"	"	2		29.25	67	55	54		"	"	6	"	
10			"	"	2		29.25	67	58	57		"	"	8	"	
11			"	"	2-5		29.25	69	59	58		"	"	8	"	
Noon			W	W	2-5		29.25	67	61	59		"	"	4	"	

Distance run by Log since preceding Noon	knots	fathoms
Latitude by D. R. at Noon	o	"
Longitude by D. R. at Noon	o	"
Latitude by Observations at Noon ⊕	o	"
Longitude by Chronometer from Forenoon Observations ⊕	o	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	o	"
Variation of the Compass by Azimuth ⊕ observed at	o	"
Water expended during the preceding 24 hours		300 gallons
Water during the preceding 24 hours		"
Water remaining on hand fit for use at noon		1200 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M																
1			W by S	W by S	3-5		29.25	69	61	59		bcq	Cir Cum Nimb	3	S	
2			NW by W	nw by w	3-5		29.25	70	61	59		ocqr	Nimb	0	"	
3			W by S	W by N	3-4		29.26	70	58	55		bcqp	"	2	"	
4			W	"	3-4		29.26	70	59	56		bcpl	Cir Cum Nimb Str	2	"	
5			WNW	"	3		29.26	70	58	58		oc	Nimb	0	"	
6			W by N	"	3		29.27	71	58	56		"	"	0	"	
7			"	"	3		29.27	69	58	56		"	"	0	"	
8			SSE	SSE	0-2		29.27	68	58	56		"	"	0	"	
9			W	W	1-2		29.27	65	55	55		ocp	"	4	"	
10			"	"	1-2		29.27	65	55	55		bc	Cir Str	6	"	
11			"	"	1-2		29.27	63	53	53		"	"	6	"	
Mid.			"	"	1-2		29.27	62	52	52		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊕	o	"
Longitude by Chronometer Observations	o	"
Variation of the Compass by Amplitude	o	"
Variation of the Compass by	o	"

observed at Sunset

at

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, February 2nd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and cool. Light airs to gentle breeze from W.S.W. to W. Bar. steady.
Smooth sea. Bright starlight.

C. K. Curtis
Lieut.

4 to 8 A.M. Clear and pleasant. Light to gentle breeze from W. to W.N.W. Smooth sea. Bar.
rising 29.24 at 8 o'clock.

L. P. Jerrett
Master

8 AM. to Merid. Clear and pleasant. Light breeze with occasional stiff squalls fro W.N.W. to W.
At 9.30 Comdg. Officer inspected ship and crew at quarters. At 10 held divine service the
colonial chaplin Rev. Mr. Brandy officiating. Bar. steady 29.25. Light banked fires under two
boilers for heating ship.

Sam. C. Lemly Ensign

Merid. to 4 P.M. Clear and pleasant weather. Gentle to stiff breeze from W. by S. to N.W. by W.
Blowing in puffs. Occasional showers of rain. Bar. rising slowly. Fires banked under two boilers.

C. B. T. Moore
Ensign

4 to 8 P.M. Overcast. Gentle breeze to light airs from W. N. ~~W.~~ to S.S.E. Smooth sea. Rain
showers last hour of watch.

C. K. Curtis
Lieut.

From 8 PM to Mid. Clear and pleasant first part of watch, wind suddenly hauled to W. and
remained as during the watch. Bright moonlight.

Sam. C. Lemly Ensign

Moons phase in 2nd qr Dec. N 27 °

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Port Stanley, Falkland Islands

Hour.	Knots.	fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.			
A,M														
1			SW	SW	2		29.30	62	50	50	b	-	10	S
2			WNW	W	1-2		29.31	61	49	49	"	-	10	"
3			W	"	2		29.32	61	48	48	bc	Cir Str	9	"
4			W by S	"	2		29.33	60	48	48	"	"	9	"
5			WNW	"	0-1		29.33	68	48	48	"	"	9	"
6			W by S	"	1		29.36	61	48	48	"	"	8	"
7			W by N	"	2		29.37	64	52	50	"	"	7	"
8			W	"	2		29.37	64	55	52	"	"	4	"
9			W by N	w by n	4		29.37	65	56	55	"	"	4	"
10			W	W	3		29.37	66	57	56	"	Cir Nimb Str	1	"
11			W by N	"	3		29.36	67	57	57	oc	"	0	"
Noon			NNW	"	3		29.35	67	57	57	"	"	0	"

Record of the sail the vessel
is under at end of watch.

Distance run by Log since preceding Noon

knots

fathoms

Latitude by D. R. at Noon

o

'

"

Longitude by D. R. at Noon

o

'

"

Latitude by Observations at Noon ⊕

o

'

"

Longitude by Chronometer from Forenoon Observations ⊕

o

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊕ observed at Sunrise

o

"

"

Variation of the Compass by Azimuth ⊕ observed at

o

"

"

Water expended during the preceding 24 hours

300 gallons

Water Received during the preceding 24 hours

1100 "

Water remaining on hand fit for use at noon

2000 "

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P,M

1	NW	NW	3	29.33	67	56	54	o	Cum Cir Nimb	0	S
2	N	N	3-4	29.33	68	55	54	opq	"	0	"
3	NNE	NNE	3	29.32	68	55	54	o	"	0	"
4	NNW	NNW	3-4	29.30	68	54	54	oqp	"	0	"
5	N by E	"	3-5	29.23	67	54	54	bcq	"	3	"
6	North	North	3-5	29.18	66	53	50	op	"	3	"
7	"	"	3-5	29.15	66	53	53	"	"	2	"
8	NW	NW	3-5	29.11	66	53	53	"	"	2	"
9	"	"	3	29.09	67	53	52	"	"	1	"
10	WNW	"	2	29.08	69	53	52	bc	cir	6	"
11	"	WNW	3-5	29.07	67	54	54	ocq	Cir Nimb	0	"
Mid.	"	"	4	29.04	65	54	54	oc	"	0	"

Longitude by Chronometer from Afternoon Observations ⊕

o

'

"

Longitude by Chronometer Observations

o

'

"

Variation of the Compass by Amplitude

observed at Sunset

o

'

"

Variation of the Compass by

at

o

'

"

under the command of Commander W. S. Schley, U. S. Navy.
Monday, February 3rd, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Bright starlight. Light breeze from S.W. hauling to W. Bar. rising steadily 29.35 at 4 A.M. Banked fires under two boilers.

C. B. T. Moore
Ensign

4 to 8 A.M. Clear and pleasant. Light airs to light breeze from W. Smooth sea. Bar. rising slowly. Water boat came alongside at 7.15. ~~The Navigator went on shore to correct chronometer.~~

C. K. Curtis
Lieut.
Cadet Midshipman

8 AM. to Merid. Clear and pleasant first two hours. Overcast and cool last two, with gentle breezes from west. Bar. falling. Sea smooth. Rec'd on board in Equipment Department 1100 gals. fresh water. Rec'd a piece of timber in Con. Dept. While dismounting No. 2 gun, starboard side a pennant tackle parted, broke four of the deck planks. Fires banked under two boilers. Pres. 5 lbs.

L. P. Jerrett
Master

Merid. to 4 P.M. Overcast and unpleasant. Gentle to moderate breezes from N.W. to N.N.E. Occasionally moderate squalls with passing rain. Carpenters gang engaged in repairing deck. Bar. falling 29.30.

Sam. C. Lemly
Ensign

4 to 8 P.M. Clear and pleasant weather. Gentle to ~~puffs~~ stiff breeze from N. to N.W. blowing in squalls. Bar. steadily falling 29.11 at 8 P.M.

C. B. T. Moore
Ensign

8 PM to Mid. Partly clear, with gentle to puffy breezes from N.W. to W.N.W. blowing in squalls part of the time. Bar. falling 29.04 at 12.

L. P. Jarrett

Moons phase in 2nd qr Dec. N 25°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns,
Port Stanley, Falkland Islands

Hour.	Knots.	fathoms.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.		Force.	Height in inches.	Ther. attd.	Air Dry Bulb.	Air Wet Bulb.					
A,M															
1			WNW	WNW	3-5	29.01	64	53	53		bcq	Cum Str	7	S	
2			"	"	3-5	29.00	64	53	53		"	"	6	"	
3			"	"	3-5	28.97	63	52	52		"	"	6	"	
4			W	W	3	28.97	62	52	52		"	"	6	"	
5			WNW	WNW	2-3	29.00	61	51	51		bcf	Cir Str	4	"	
6			W by N	W by N	2	29.00	62	51	51		"	"	5	"	
7			"	"	2	29.02	65	53	53		"	"	5	"	
8			SW by W	SW by W	2	29.03	68	55	55		bc	"	3	"	
9			w by s	W	4	29.05	70	57	56		"	Cir Cum	3	"	
10			"	W by S	5	29.05	69	58	56		"	Cir Str Nimb	1	"	
11			"	"	5-6	29.05	69	58	57		bcq	Cir Cum Nimb	1	"	
Noon			"	W	5-6	29.05	68	58	56		ocq	Nimb Cum	0	"	

Distance run by Log since preceding Noon	knots	fathoms
Latitude by D. R. at Noon	°	"
Longitude by D. R. at Noon	°	"
Latitude by Observations at Noon ⊕	°	"
Longitude by Chronometer from Forenoon Observations ⊕	°	"
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"
Variation of the Compass by Azimuth ⊕ observed at	°	"
Water expended during the preceding 24 hours		400 gallons
Water		"
Water remaining on hand fit for use at noon		1600 "
Coal consumed during the preceding 24 hours	Tons	lbs.
Coal remaining on hand at Noon	"	"

P,M											
1	W by S	W by S	5-7	29.05	68	58	57	bcqp	Cir Cum	4	S
2	WSW	"	5-7	29.05	68	58	57	"	Nlmb Cum	1	"
3	SW	SW	5-7	29.07	68	57	56	"	"	1	"
4	SW by W	"	4-6	29.08	69	56	56	ocpq	"	0	"
5	WSW	WSW	4-6	29.09	69	57	56	bcq	Cir Str Nimb	2	"
6	"	"	4-6	29.10	70	57	56	"	"	5	"
7	"	"	4-6	29.13	70	56	54	"	"	5	"
8	"	"	4-6	29.14	69	54	52	"	"	5	"
9	W by S	W by S	4-5	29.16	69	54	52	b	"	10	"
10	"	"	4	29.18	67	52	52	"	"	10	"
11	W	W	4	29.20	67	50	50	"	"	10	"
Mid.	WNW	WNW	3	29.20	66	49	49	bc	Cir Nimb	2	"

Longitude by Chronometer from Afternoon Observations \oplus	0	1	11
Longitude by Chronometer Observations	0	1	11
Variation of the Compass by Amplitude	0	1	11
observed at Sunset			
Variation of the Compass by	0	1	11
at			

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, February 4th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid. to 4 A.M. Cloudy cool and pleasant. Gentle to stiff breeze from W.N.W. to W. Frequent stiff wind squalls during first three hours of watch. Bar. falling 28.97.

Sam. C. Lemly
Ensign

4 to 8 A.M. Cloudy and pleasant. Light to gentle breezes from W.N.W. to S.W. by W. Bar. rising 29.03 at end of watch. Received fresh provisions for crew.

C. B. T. Moore
Ensign

8 AM. to Merid. Cloudy and pleasant. Moderate to fresh breeze from W. & W. by S. Squally latter part of watch. Bar. steady. Smooth sea. W.C. Montgomery (O.S.) by order of the Comdg. Officer, was confined in single irons to await the action of the Comdr. in Chief for assaulting a shipmate with knife or other sharp instrument. Repairing damaged part of deck.

C. K. Curtis
Lieut.

Merid. to 4 P.M. Cloudy and cool. Passing showers of rain. Stiff to fresh breeze, blowing in squalls, hauling from W. by S. to S.W. Finished repairing damaged part of deck. Secured the battery for sea. Sent awnings below, hoisted in catamaran, rigged in and secured 1st Cutter. Put on mainsail cover, [unreadable] ridge ropes, preparatory for sea.

L. P. Jerrett
Master

4 to 8 A.M.[P.M.] Cloudy and squally. Moderate to fresh breeze from W.S.W. Bar. rising 39.14. Hoisted smoke stack, [unreadable] lower booms.

Sam. C. Lemly
Ensign

8 PM to Mid. Clear and pleasant. Stiff to gentle breeze from W. by S. to W.N.W. Bar. rising. Smooth sea. Bright moonlight.

C. K. Curtis
Lieut.

Moons phase in 2nd qr Dec. N 23°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, making passage from Falkland Islands, to Monte Video

Hour.	Knots.	fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prog. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1			W by N	W by N	2-3		29.20	64	50	50		oc	Nimb	0	S	
2			WNW	WNW	2		29.19	63	50	50		ocdu	"	0	"	
3			WSW	WSW	2-5		29.19	62	50	50		ocr	"	0	"	
4			W	W	2-4		29.19	62	51	51		"	"	0	"	
5			"	"	2-4		29.22	61	50	50		bcq	Nimb Cum Str	4	"	
6			WSW	WSW	3		29.25	60	50	50		bc	"	5	"	
7			SW by W	SW by W	4		29.25	60	52	52		"	"	5	"	
8			"	"	4		29.26	60	52	52		"	"	6	"	
9			"	"	2-3		29.29	63	52	52		"	"	3	"	
10			Standing out of Stanley	"	2		29.32	67	55	55		"	Cir Cum Nimb	5	"	
11	1	4	N	s by w	3		29.34	67	58	58		"	Cir Cum	7	"	
Noon	6	9	"	se by e	3		29.35	65	58	58		"	Cir Cum St Nimb	8	"	

Distance run by Log since preceding Noon

knots

fathoms

Latitude by D. R. at Noon

S 51 ° 29 ' 42 "

Longitude by D. R. at Noon

W 57 ° 35 ' 36 "

Latitude by Observations at Noon ⊕

S 51 ° 28 ' 00 "

Longitude by Chronometer from Forenoon Observations ⊕

° ' "

Current during the time knots fms. per hour, setting to the

[Note in left margin reads "Sg. No 548 "]

Variation of the Compass by Amplitude ⊕ observed at Sunrise

° " "

Variation of the Compass by Azimuth ⊕ observed at

° " "

Water expended during the preceding 24 hours

200 gallons

Water Received during the preceding 24 hours

1000 "

Water remaining on hand fit for use at noon

2400 "

Coal consumed during the preceding 24 hours

Tons lbs.

Coal remaining on hand at Noon

" "

[Note in left margin at 8 PM reads "S 51°13'30" W 37° 26 ' 30 ""]

P,M

1	5	8	N by W	E	1-2		29.36	63	55	55	51	bc	Cir Nimb Cum	2	S	Set spanker and gaff
2	6	6	"	ESE	2		29.36	62	56	56	51	"	Cir Str Nimb Cum	5	"	topsails.
3	3	0	"	SE	2-1		29.37	62	55	55	51	oc	Cir Nimb Str	0	"	
4	2	5	"	SE by S	1-2		29.38	61	53	53	51	"	Cir Str Cum Nimb	0	"	
5	2	4	"	SE by E	1-3		29.40	60	52	52	51	bcp	"	2	"	Let lee clew of M. sail.
6	2	0	"	"	1-2		29.42	59	51	52	51	bc	"	4	"	
7	2	3	"	"	2-3		29.45	58	51	51	51	"	"	5	"	Single reefed topsail
8	1	9	"	"	2-3		29.45	58	50	51	51	"	"	6	"	Furled royals
9	2	6	"	SE	3		29.48	60	50	50	51	"	"	5	"	
10	2	0	"	s by e	2		29.50	60	50	50	51	"	Cir Cum	5	"	
11	2	0	"	"	2		29.53	60	50	50	51	"	Cir Nimb	7	"	
Mid .	2	9	"	s by e	3		29.54	60	50	50	51	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ⊕

° ' "

Longitude by Chronometer Observations

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, February 5th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Overcast and rainy last two hours of watch. Light to stiff breeze varying from W.N.W. to W.S.W. Smooth sea. Bar. steady at 29.17.

L. P. Jerrett
Master

4 to 8 A.M. Cloudy and pleasant. Light to moderate breeze from W. to S.W. by W. first hour moderate wind squalls. At 7.10 started fires in two more boilers. At 7.40 crossed T. G. yards. Making preparations for sea. Bar. rising 29.26. Received ~~4000~~ on board 1000 gals. fresh water.
Sam. C. Lemly Ensign

8 AM. to Merid. Generally clear and pleasant. Light to gentle breeze from S.W. by W. hauling by South to S.E. by E. At 9 AM brought to on the stbd chain, and hove in to 15 fms. and at 9.40 hove up, and steamed out of the harbor. At 10.10 crossed royal yards. Made square sail to royal and jib except mainsail. At 11.15 unbent chains and stowed them below. Took the departure at 10.45. Cape Pembroke Light house bore (p.c.) S. by W. distant 3.5 miles. Av. st. pres. 50 lbs. Rev. 45. At 12 changed course to N. by W.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Overcast and cool. Light airs to light breeze from E. to S. by S. Bar. rising. Sea smooth. Steering course. Let fires go down, and uncoupled engine at 2.05. Fires banked in two boilers. Distilling. At 1.40 set spanker and gaff topsail. Loosed and single reefed mainsail. Falkland Island in sight on port quarter.

L. P. Jerrett
Master

4 to 6 P.M. Partly clear and pleasant, with passing rain showers. Light airs to gentle breeze from S.E. by E. Sea smooth. Bar. rising 29.40. By order of Comdg. Officer released Thos. G. Roberts (O.S.) from confinement. At end of watch point of land in sight bearing (p.c.) S. W. by S. 1/2 E. At 4.45 set lee clew of the mainsail. Fires banked in two boilers 25 lbs. Distilling.
Sam. C. Lemly Ensign

6 to 8 P.M. Cloudy, cool and pleasant. Light to gentle breeze from S.E. by E. At 6.30 mustered at quarters. At 7 took single reef in topsails and furled royals. On course S. by W. distilling.
C. B. T. Moore
Ensign

8 PM to Mid. Cloudy and pleasant. Light to gentle breeze from S.E. to S. by W. Smooth sea. Bar. rising. Steering course N. by W. At 10 hauled up mainsail and squared away. Fires banked under two boilers. Distilling.

L. P. Jerrett
Master

Moons phase in 2nd qr Dec. N 19°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, Making passage from Falkland Islands to Monte Video

Hour.	Knots. fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																Under sail, jib, fore sail, single reefed topsails.
1	3	8	n by w	S	2-3		29.55	60	48	48	50	bc	Cir Cum	8	S	
2	4	0	"	"	2-3		29.56	60	48	48		bcq	Cir	9	"	
3	3	6	"	S by E	2		29.58	60	49	49		"	Cir Str Cum	8	"	
4	2	8	"	"	1-2		29.60	60	49	49		"	"	7	"	
5	2	9	"	S	2-3		29.64	58	49	49		bc	"	1	"	
6	3	3	"	SSW	3		29.65	58	49	49		oc	"	0	"	
7	3	0	"	SW by S	2-3		29.65	58	50	50		bc	"	0	"	
8	2	3	"	"	2		29.67	59	50	50		"	"	1	"	
9	2	1	n by w 1/2 w	"	2		29.67	58	51	51		"	"	1	"	
10	2	4	"	sw by w	3		29.67	58	51	51		"	"	4	"	
11	3	2	"	"	3		29.67	57	51	51		"	"	5	"	
Noon	3	7	"	"	3		29.67	57	51	51		"	"	6	"	

[Notes in left margin at 8 AM reads "S 50° 07' W 57° 41' and " S 50° 00' W 57° 41' "]

Distance run by Log since preceding Noon	knots	fathoms.	
Latitude by D. R. at Noon	S 50 °	2 ' 24 "	
Longitude by D. R. at Noon	W 57 °	26 ' 00 "	
Latitude by Observations at Noon ⊕	S 49 °	55 ' 8 "	
Longitude by Chronometer from Forenoon Observations ⊕	W 57 °	41 ' 25 "	
Current during the time knots 5	TENTHS		
Current during the time knots 5	ms. per hour, setting to the	NW 3/4 W	[Note in left margin reads "Sg. No 562"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise			
Variation of the Compass by Azimuth ⊕ observed at			
Water expended during the preceding 24 hours		300 gallons	
Water Condensed during the preceding 24 hours		750 "	
Water remaining on hand fit for use at noon		2850 "	
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 PM reads "S 49° 16' W 57° 34' "]

P,M																
1	4	2	n by w 1/2 w	WSW	3		29.69	57	51	50	50	bc	Cir Str Cum	8	S	
2	5	5	"	w by s	4		29.65	57	52	52	51	"	Str	9	"	
3	5	2	"	West	4		29.65	57	53	53	51	"	"	9	"	
4	5	4	"	"	4		29.67	58	53	52	51	"	"	9	"	
5	5	4	"	"	4		29.66	58	52	52	51	"	"	6	"	
6	5	2	n by w 1/4 w	W by N	4		29.65	58	51	51	51	"	Cir Str	8	"	
7	5	0	N 1/4 W	WNW	4		29.63	58	51	50	51	"	"	4	"	
8	4	5	N 1/2 E	"	4		29.62	58	50	50	50	"	"	2	"	
9	4	8	N 1/4 E	"	5		29.60	59	50	50	50	"	Cir Str Nimb	2	"	
10	4	4	N 14 W	"	5		29.59	59	50	50	50	"	"	5	"	
11	4	0	"	"	5		29.56	58	50	50	50	"	"	2	"	
Mid.	4	0	N	"	5		29.55	58	50	50	50	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, February 6th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and pleasant. Bright moonlight. Gentle to light breeze from S. & S. by E. Bar. rising smooth sea. Steering the course. Fires banked in two boilers. Av. st. pres. 25 lbs. Distilling. Moon set at 2.45.

Sam. C. Lemly
Ensign

4 to 8 A.M. Partially ~~else~~ overcast but pleasant with light to gentle breeze hauling from W. to S.W. by S. Bar. rising 29.65 at 8. Smooth sea. At 6.50 shook reefs out of topsails, set mainsail, royals, and fly. jib. Under all plain except F.T. staysail, spanker and gaff topsails. Steering the course N. by W. Small school of whales were seen during the watch. Fires banked in two boilers, pres 20 lbs. Distilling. At 8 AM changed course to N. by W 1/3 W.

C. B. T. Moore
Ensign

8 AM. to Merid. Cloudy and pleasant. Light to gentle breeze from S.W. by S. to S. W. by W. At 9.15 inspected at quarters, exercised 1st Div. at signal, Co. B. at single sticks. Marine Guard at small arms. On course N. by W. 1/2 W. Distilling. St. pres. 25 lbs. Bar. steady 29.67.

L. P. Jerrett
Master

Merid. to 4 P.M. Clear and pleasant. Gentle to moderate breeze from W.S.W. hauling to W. steering course N. by W 1/3 W. At 1 P.M. set F. T. staysail. Hauled fires at 1.50. Issued clothing. Loosed storm sails today. At 3 took took [sic] in main staysail to ~~ben~~ rebend sheet, and set it again

Sam. C. Lemly
Ensign

4 to 6 P.M. Clear and pleasant. Moderate breeze from W. Smooth sea. Bar. falling. Steering the course first part, full and by last half hour.

C. B. T. Moore
Ensign

6 to 8 P.M. Clear and pleasant Moderate breeze from W.N.W. Smooth sea. Bar. falling 29.62 at 8. By the wind. At 7 took in royals and flying jib and one reef in topsails took in gaff topsail. Moon rose at 7 P.M.

L. P. Jerrett
Master

8 PM to Mid. Cloudy, cool, and pleasant. Stiff breeze from W.N.W. Obscured moonlight. Heavy dew. Full and by. Bar. falling 29.55.

Sam. C. Lemly
Ensign

Moons phase Full moon Dec. N 14°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, Making passage from Falkland Islands to Monte Vide

Hour.	Knots. fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Dir. of Cur. Svy. in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	4	7	n by e 1/2 e	NW by W	4-5		29.52	58	50	50	51	ocw	Str Nimb	0	S	Plain sail to single reefed
2	5	4	"	"	5-7		29.48	57	50	50	51	bcqw	"	4	"	topsails
3	3	4	N by E 1/4 E	"	6-7		29.45	57	50	50	51	"	Cir Str Nimb	3	"	Took in T.G. sails and
4	3	8	n 3/4 e	WNW	6-7		29.42	57	50	50	51	"	"	1	"	double reefed topsails.
5	5	0	N by E	"	7-8		29.37	57	50	50	52	ocq	Nimb Str	0	M	Hauled down jib
6	5	0	"	"	7-8		29.32	57	52	52	52	"	"	0	"	
7	4	4	NNE	NW by W	7-8		29.26	57	52	52	53	ocqp	"	0	R	Close reefed courses and topsails
8	3	7	n 1/2 e	WNW	8		29.20	57	53	53	54	"	"	0	"	Hauled down head of spanker.
9	4	6	"	w by n	7-8		29.18	57	52	52	54	"	"	0	"	
10	3	5	n by w	W	7		29.18	57	53	53	54	ocg	Cir Str	0	"	
11	3	2	"	WNW	6		29.21	57	53	53	54	"	"	4	"	Hoisted jib, hauled out head of spanker, shook two reefs out of topsails.
Noon	4	0	"	"	6		29.23	57	53	53	40	"	"	8	"	

[Note in left margin at 9 AM reads "S 48° 20 ' W 56° 45 ' "]

Distance run by Log since preceding Noon	107 knots	Tenths 4 fathoms.	
Latitude by D. R. at Noon	S 48 °	17 ' 2 "	
Longitude by D. R. at Noon	W 56 °	53 ' 25 "	
Latitude by Observations at Noon ⊕	S 48 °	11 ' 22 "	
Longitude by Chronometer from Forenoon Observations ⊕	W 56 °	43 ' 18 "	
Current during the time knots 4	TENTHS 4	NE 1/2 E	[Note in left margin reads "Sg. No 562"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at		°	" "
Water expended during the preceding 24 hours		300 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		2550 "	
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 PM reads "S 47° 27 ' W 56° 47' "]

P,M																
1	4	4	n by w 1/2 w NNW	WSW	6		29.26	57	54	54	50	bcz	Cum Str	6	M	Set T. G. sails
2	4		"	"	6		29.29	58	54	54	50	"	"	5	"	
3	5		"	"	6		29.31	58	54	54	50	"	"	5	"	
4	6		"	"	7		29.33	58	55	54	50	"	"	5	"	
5	6		"	W by S	6		29.35	58	55	54	50	"	"	2	"	
6	5		"	WSW	6		29.39	59	54	54	51	oc	Nimb Str	0	"	
7	5		"	W by S	5		29.39	59	54	54	52	"	"	0	"	
8	5		"	"	5		29.41	59	54	54	53	"	"	0	"	Took in T. G. sails, single reefed topsails
9	5		NNW 1/2 W	WSW	5		29.42	59	54	54	54	"	"	0	"	
10	4		"	"	4		29.43	59	54	54	55	"	"	0	"	
11	4		"	"	5		29.46	59	54	54	55	ocp	Nimb	0	"	
Mid.			"	"	4		29.46	59	54	54	55	"	Cir Nimb	1	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Friday, February 7th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy, damp and disagreeable. Moderate to very fresh breeze from N.W. by W. blowing in squalls. Bar. falling. Took in T.G. sails at 1.55 and at 2.15 took a second reef in the topsails.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Overcast. Cloudy. Blowing a moderate gale in squalls from W.N.W. & N.W. by N. Moderate to rough sea. Bar. falling fast. Steering by the wind. At 4.40 hauled down jib. Between 6 & 7 close reefed courses and topsails. Gone on preventer lower and topsails braces. At 7.15 hauled down head of spanker.

C. K. Curtis
Lieut

8 AM. to Merid. Overcast and squally first two hours of watch. Clearing last two. Rough sea. Bar. steady first two rising last two hours of watch, 29.23 at 12. Fresh breeze to moderate gale hauling from W. by N. to W.S.W. At 10.00 shook one reef out of courses, and hauled out head of spanker. At 10.30 shook one reef out of topsails, 11.10 shook out second reef and hoisted jib. Steering the course N. by W 1/2 W. last two hours.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Cloudy, hazy, and pleasant. Fresh to very fresh breeze from W.S.W. At 12.10 set T.G. sails. At 12.50 changed course to N.N.W. Moderate sea. Bar. rising 29.33. Light scud from S. & W. On course N.N.W.

C. B. T. Moore
Ensign

4 to 6 P.M. Cloudy, hazy and disagreeable. Overcast last hour. Fresh breeze from W. by S. to W.S.W. Moderate sea. Bar. falling. Steering course N.N.W.

L. P. Jerrett
Master

6 to 8 P.M. Overcast. Cloudy. Stiff breeze from W. by S. Moderate sea. Bar. rising. Steering the course. At 7.35 furled T.G. sails, and single reefed topsails. At 8 changed course to N.N.W. 1/2 W.

Sam. C. Lemly
Ensign

8 PM to Mid. Overcast, with passing rain showers, last two hours of watch. Clearing at end of watch. Moderate to stiff breeze from W.S.W. Moderate sea. Bar. rising 29.46 at 12. At 10.45 hauled down jib.

C. B. T. Moore
Ensign

Moons phase in 3rd qr Dec. N 8°

Examined and found to be correct

C. K. Curtis
Lieut

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, Making passage from Falkland Islands to Monte Video.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	3	0	nnw 1/2 w	WSW	4		29.46	59	53	53	54	op	Cum Str Nimb	0	L	Double reefed topsails, F.T. staysail, spanker, single reefed M. sail and F.sail
2	3	0	"	"	4		29.47	59	53	53	54	bc	"	2	"	
3	2	8	"	"	4		29.47	59	53	53	54	"	"	2	"	Shook reef out of F. sail
4	3	0	"	"	4		29.48	57	54	54	54	"	"	2	"	topsails and set
5	4	0	"	"	4-5		29.50	58	54	54	57	"	"	2	"	T.G. sails and jib.
6	5	2	"	SW by W	4		29.53	58	54	54	57	"	Cir Cum Str	4	"	
7	4	5	"	SW by S	4		29.55	58	55	55	57	"	Cir Str	9	"	
8	3	2	"	SW	3		29.56	58	56	56	57	"	"	9	"	
9	2	3	"	"	2		29.58	59	56	56	51	"	"	9	"	Hoisted fly jib set Royals.
10	2	3	"	WSW	2		29.60	59	56	56	58	"	"	8	"	Hauled down jib
11	2	2	"	"	1-2		29.62	59	58	58	58	"	"	8	"	Hoisted jib
Noon	2	2	"	"	2		29.64	59	57	57	58	"	"	8	"	

[Note in left margin at 8 AM reads "S 46° 23 ' W 56° 36' "]

Distance run by Log since preceding Noon	100 knots	Tenths 5 fathoms.	
Latitude by D. R. at Noon	S 46 °	37 ' 10 "	"
Longitude by D. R. at Noon	W 57 °	11 ' 30 "	"
Latitude by Observations at Noon ⊕	S 46 °	14 ' 13 "	"
Longitude by Chronometer from Forenoon Observations ⊕	W 56 °	38 ' 57 "	"
Current during the time 1 knots	TENTHS fms. per hour, setting to the	NE x N	[Note in left margin reads "Sg. No 562 "]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. S 46° 23 W 56° 56	E 12 °	20 "	00 "
Water expended during the preceding 24 hours			300 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon			2250 "
Coal consumed during the preceding 24 hours	Tons		lbs.
Coal remaining on hand at Noon	"		"

[Note in left margin at 8 PM reads "S 46° 04 ' W 59° 02' "]

P,M																
1	1	8	nnw 1/2 w	WSW	1-2		29.65	59	57	57	58	bc	Cir Str	9	L	
2	1	0	"	"	1		29.65	59	58	58	58	"	"	9	"	
3	1	5	"	"	1		29.65	59	60	59	58	"	"	9	"	
4	1	0	"	"	1		29.66	60	61	61	58	"	"	9	"	
5	1	0	"	SW	1		29.68	61	60	60	59	"	"	9	"	
6	1	2	"	"	1		29.69	63	59	58	59	"	"	9	"	
7	1	5	"	SSW	1		29.70	62	58	58	59	"	"	9	"	
8	1	0	"	"	1		29.70	62	58	58	59	"	"	9	"	
9	0	5	"	SW	0-1		29.73	62	58	58	59	"	"	7	"	Took in royals and
10	0	5	NNW	"	0-1		29.74	62	58	58	59	"	"	7	"	flying jib. Hauled
11	0	0	"	Calm	0		29.75	62	58	58	59	"	"	8	"	up M. sail.
Mid.	0	5	"	SW	0-1		29.78	62	58	58	59	"	"	3	"	
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"		
Longitude by Chronometer Observations												°	'	"		
Variation of the Compass by Amplitude												°	'	"		
Variation of the Compass by												°	'	"		

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, February 8th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. First hour overcast and passing rain, then cloudy and pleasant. Moderate breeze from W.S.W. Heavy scud from W.S.W. Obscured moonlight. On course N.N.W. 1/2 W.

L. P. Jerrett
Master

4 to 8 A.M. Began cloudy. Clear and pleasant last half of watch. Moderate to gentle breeze from W.S.W. veering to S.W. by S. decreasing in force. Long swell from S. & W. Bar. rising. At 4.40 shook one reef out of the topsails and set T.G. sails. At 5 shook reef out of foresail, and first reef out of the topsails, and hoisted jib. Steering the course N.N.W. 1/2 W.

C. K. Curtis
Lieut.

8 AM. to Merid. Clear and pleasant. Light breeze from S.W. and W.S.W. Smooth sea. Bar. rising. Steering the course. At 8.10 hoisted flying jib and set royals. At 9.30 hauled down jib, in order to repair the pennant. At 10.15 hoisted jib. Mended the sheave of the fore topmast tye block. Took off preventer braces.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Clear and pleasant. Light airs from W.S.W. Bar. steady at 29.60. Long swell from S.W. Under all plain sail. Steering the course. N.N.W. 1/2 W.

L. P. Jerrett
Master

4 to 6 P.M. Clear and pleasant. Light airs from S.W. Long swell from from[sic] S.W. and N.W. On course N.N.W. 1/2 W.

Sam. C. Lemly
Ensign

6 to 8 P.M. Clear and pleasant. Light airs from S.S.W. Bar. steady. Long swell from S. & W. Steering course N.N.W. 1/2 W.

C. B. T. Moore
Ensign

8 PM to Mid. Clear and pleasant. Partly overcast last hour of watch. Calm and light airs from S.W. Bar. rising. Moderate swell from S. & W. Steering the course. At 9 furled royals, stored flying jib, and hauled up mainsail. Changed course at 9 to N.N.W.

L. P. Jerrett
Master

Moons phase in 3rd qr Dec. N 1°

Examined and found to be correct

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, Making passage from Falkland Island to Monte Video

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	The r. at'd	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															
1	0	5	NNW	Calms	0		29.78	62	58	58	58	bc	Cir Str	4	L
2	0	5	"	"	0		29.79	62	58	58	58	oc	Cir Nimb	0	"
3	0	5	"	"	0		29.80	62	58	58	58	bc	Cir Str	6	"
4	0	5	"	"	1		29.80	62	58	58	58	"	"	8	"
5	0	5	"	SE	1		29.85	62	57	57	58	"	"	8	" Set royals
6	0	5	"	E	1		29.85	61	57	57	58	"	"	8	"
7	0	8	"	ENE	1		29.86	61	58	58	58	"	"	8	L Set M. sail, spanker
8	1	0	"	"	1		29.86	61	58	58	58	"	"	8	" G. topsail & F. jib
9	1	5	"	NE	1		29.87	62	59	59	58	"	"	9	L
10	2	0	nnw 1/2 w	NE by N	2	1/4	29.88	62	60	60	58	"	"	9	"
11	3	6	NW 1/2 N	"	3	1/4	29.88	63	60	60	58	"	"	9	"
Noon	3	6	NW by N	"	3	1/4	29.88	61	61	60	58	"	"	9	"

[Note in left margin at 8 AM reads "S 45° 33' W 57° 07' "]

Distance run by Log since preceding Noon	26 knots	Tenths 7 fathoms.	
Latitude by D. R. at Noon	S 45 °	48 ' 43 "	
Longitude by D. R. at Noon	W 57 °	8 ' 21 "	
Latitude by Observations at Noon ⊕	S 45 °	45 ' 45 "	
Longitude by Chronometer from Forenoon Observations ⊕	W 57 °	11 ' 21 "	
Set Current during the time knots			
Tenths fms. per hour, setting to the			[Note in left margin reads "Sg. No 562 "]
Variation of the Compass by Amplitude ⊕ observed at Sunrise			
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. S 45° 55 W 57° 07	E 11 °	55 "	
Water expended during the preceding 24 hours		300 gallons	
Water during the preceding 24 hours		"	
Water remaining on hand fit for use at noon		1957 "	
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 AM reads "S 43° 24 ' W 58° 03 ' "]

P,M															
1	0	0	Hove to	NNE	4		29.88	60	61	61	59	bc	Cir Str	9	L
2	4	5	nw by w	n by e	4		29.87	61	60	60	59	"	"	8	" Set M. sail T.G. sails royals & fly. jib.
3	5	8	WNW	N	5		29.85	60	59	58	59	"	"	7	"
4	5	5	NW by W 1/2 W	n by e	4		29.83	60	58	58	59	"	"	8	"
5	6	2	WNW	N	5		29.80	62	58	58	59	bog	"	8	"
6	6	8	WNW 1/2 W	"	5		29.79	62	59	59	59	"	"	8	" Took in royals.
7	6	6	WNW 3/4 W	NW by W	6		29.78	62	58	58	59	"	"	8	M Single reefed topsails.
8	4	0	W 3/4 N	n by w	6	1/4	29.77	62	57	57	59	"	"	8	"
9	3	8	W 1/4 N	"	5		29.76	62	56	56	57	bcnz	"	9	L
10	3	8	W	NNW	4-5		29.76	63	56	56	57	"	"	8	"
11	2	0	ne 1/2 n	"	4		29.76	63	56	56	57	"	"	8	"
Mid.	2	4	"	"	4		29.76	63	55	55	57	bcmf	"	5	"

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Sunday, February 9th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and pleasant. Bright moonlight. Calm first three hours, light airs coming up from S. & W last hour of watch. Bar. 29.80. Long swell from S.W.

Sam. C. Lemly
Ensign

4 to 8 A.M. Clear and pleasant. Light variable airs from S.E. to E.N.E. At 4.30 set royals. At 6.50 set mainsail, spanker, gaff topsail and fly. jib. Long swell from S.W.

C. K. Curtis
Lieut.

8 AM. to Merid. Clear and pleasant. Light airs to light breeze from N.E. to N.E. by N. Steering full and by. Bar. steady 29.88 Long swell from S.W. Clewed up royals and hauled down fly. jib at 11.45. Clewed up T. G. sails at 11.55. Signaled B.S.C. (Com. code) to an American Whaling vessel, bearing down on us. By order of Comdg. Officer released W.C. Montgomery (O.S.) from confinement and made him a prisoner at large.

L. P. Jerrett
Master

Merid. to 4 P.M. Clear and pleasant. Moderate breeze from N.N.E. to N. Bar. falling. Smooth sea. Steering by the wind. At 12.05 hauled up mainsail and hove to with main topsail to the mast. Communicated with the American Whaling bark "Sea Fox" of New Bedford Mass. At 12.45 filled away and then luffed sharp to, Captain Jenkins of the "Sea Fox" came on board. At 1.10 set mainsail and T.G. sails. Steered full and by. At 1.30 set royals, and at 1.45 hoisted fly jib. At 2.50 hauled down and stowed flying jib.

Sam. C. Lemly
Ensign

4 to 6 P.M. Clear and pleasant with stiff breeze from N. Bar. falling 29.79 at 6. Long swell from S.W. At 5.50 took in and furled royals.

C. B. T. Moore
Ensign

6 to 8 P.M. Clear and pleasant. Stiff to fresh breeze from N. by W. At 6.30 mustered at quarters. At 7 furled T.G. sails, took single reef in topsails. Moderate sea. Full and by.

L. P. Jerrett
Master

8 PM to Mid. Clear and damp. Heavy fog for a few minutes of the last hour. Moderate to stiff breeze from N. by W. to N.N.W. Steering full and by. Bar. steady. At 8.07 moon rose. At 10.05 wore ship.

Sam. C. Lemly
Ensign

Moons phase in 3rd qr Dec. S. 5°

Examined and found to be correct

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, Making passage from Falkland Islands to Monte Video.

Hour.	Knots.	Tenths fathoms.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.				
A,M															Under sail, jib, F. T. staysail single reefed topsails
1	2	8	ne 3/4 n	NW by N	4		29.76	62	54	54	54	ofw	-	0	S Courses and spanker.
2	3	0	ne by n	"	4		29.76	62	54	54	54	bfw	-	2	"
3	2	5	NNE 1/2 E	NW	3		29.76	62	54	54	54	bcw	Cir Str	3	"
4	2	0	ne by n	NW by N	2		29.75	61	54	54	54	bc	"	3	" Took in F. T. staysail. set
5	1	7	"	"	2		29.74	60	55	55	55	"	"	2	" T. G. sails shook reef
6	2	2	NNE 1/2 E	"	3		29.73	61	56	56	56	"	"	4	" out of topsails.
7	2	4	"	"	3		29.73	60	57	57	57	"	"	8	"
8	3	6	NE 1/2 N	"	3		29.72	60	57	57	57	"	"	9	"
9	5	2	NE 1/4 N	NNW	4		29.71	60	58	58	58	"	"	8	" Set royals, flying jib
10	6	0	NE	"	4		29.70	60	58	58	58	"	"	8	" and G. topsail.
11	4	5	WNW 1/2 W	N	5		29.67	60	58	58	58	"	"	5	" Furled royals and
Noon	4	5	"	"	4		29.65	60	59	58	58	"	"	4	" took in fly. jib.

[Note in left margin at 8 AM reads "S 43 ° 24' W 57° 47' "]

Distance run by Log since preceding Noon	91 knots		Tenths 8 fathoms.	
Latitude by D. R. at Noon	S 44 °	54	'	45 "
Longitude by D. R. at Noon	W 57 °	39	'	15 "
Latitude by Observations at Noon ⊕	S 45 °	13	'	13 "
Longitude by Chronometer from Forenoon Observations ⊕	W 57 °	45	'	46 "
Set Current during the time	knots 7	TENTHS 11.5	hrs. per hour, setting to the	S x W 1/4 W
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. S 45° 24' W 57° 47'	E 12 °	40	"	00 "
Water expended during the preceding 24 hours				200 gallons
Water during the preceding 24 hours				"
Water remaining on hand fit for use at noon				1750 "
Coal consumed during the preceding 24 hours		Tons		lbs.
Coal remaining on hand at Noon		"		"

[Notes in left margin reads: At 5 PM "S 45° 00' W 57° 48'; at 8 PM "S 44° 50' W 57° 51' "; at 9 PM "Sg No 576"]

P,M															
1	3	8	W 1/4 N	N by W	4		29.64	61	59	50	58	bcz	Cir Str	5	S
2	3	8	W 1/4	N by W	4		29.63	61	59	50	58	"	"	7	"
3	3	3	W 1/2 S	"	4		29.62	61	59	59	58	"	"	8	"
4	4	8	NNE	NW	4		29.61	61	59	59	58	"	"	8	" Set royals & fly. jib.
5	4	4	N by E 3/4 E	"	4		29.59	61	58	58	58	"	Cir Nimb Str	8	"
6	4	6	N 1/4 E	WNW	4		29.58	61	57	57	57	"	"	2	"
7	5	2	N	W	4		29.58	62	57	57	57	ocz	"	1	"
8	4	2	"	"	3		29.59	63	57	57	58	bcl	"	0	"
9	3	8	"	"	4		29.62	62	58	58	58	"	"	4	" Took in T. G. sails.
10	3	0	"	"	3		29.61	63	58	58	58	"	"	4	" Set T. G. sails.
11	2	8	"	"	3		29.60	63	58	58	58	"	"	3	"
Mid.	3	5	"	"	4		29.61	63	57	57	57	"	"	3	"

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	at	°	'

under the command of Commander W. S. Schley, U. S. Navy.
Monday, February 10th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Overcast, foggy and wet first two hours of watch, with thick scud driving over to leeward. Clear last two hours. Moderate to light breeze from N.W. by N. Bar. steady. Smooth sea. Steering by the wind. At 3.15 hauled down F.T. staysail.

C. B. T. Moore
Ensign

From 4 to 8 A.M. Clear and pleasant with gentle breeze from N.W. by N. Smooth sea. Bar. falling 29.72 at 8. By the wind. At 5 shook reefs out of topsails, set T.G. sails.

L. P. Jerrett
Master Ensign

8 AM. to Merid. Clear and pleasant. Latter part cloudy. Moderate to stiff breeze from N.N.W. to N. At 8.20 set royals and F. jib and G. topsail. At 9.15 sounded to general quarters. 1st Div. reported ready at 9.22, 2nd Div. 9.18.35, Nav. 9.18., Powder 9.18.15, Engrs. 9.17., M.G. 9.16.30. Exercised divisions at general quarters. Secured at 9.25. Sounded retreat at 9.37. At 10. backed ship. At 10.50 furled royals, stowed F. jib. Shook out storm staysails to dry. Issued small stores. Examined bags. Full and by. Bar. falling 29.65

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant, hazy around horizon. Moderate breeze from N.N.W. to N.W. Bar. falling 29.61 at 4. Smooth sea. Tacked ship at 3.15. Set royals and fly. jib at 3.30. Steering full and by.

C. B. T. Moore
Ensign

4 to 6 P.M. Partly overcast, pleasant. Moderate breeze from N.W. to W.N.W. Bar. falling. Gentle swell from N. Steering by the wind first hour, in the course second hour.

L. P. Jerrett
Master

6 to 8 P.M. Mostly overcast, but pleasant with gentle to moderate breeze hauling from W.N.W. to W. Bar. rising 29.59. Sea smooth. At 7.05 took one reef in topsails, furled royals and stowed F. jib and G. topsail

Sam. C. Lemly
Ensign

8 PM to Mid. Cloudy and pleasant. Moderate to gentle breeze from W. At 8.30 furled T. G. sail. At 10 set T. G. sails. From 8.20 until 10.30 remarked bright and vivid flashes of lightening in N.W. to N.E. horizon. Latter part of watch occasional lightening to S.E. & E. Light scud from S. & E. On course N. Bar. steady.

C. B. T. Moore
Ensign

Moons phase in 3rd qr Dec. S 11°

C. K. Curtis

Examined and found to be correct

Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Falkland Islands to Monte Video

			WINDS.			BAROMETER.			TEMPERATURE.								
Hour.			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. atfd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
Knots.	fathoms.																
A,M																Under sail: J.F.T. staysail foresail Single reefed mainsail single reefed topsails and T.G. sail.	
1	4	5	N 1/4 E	WNW	4		29.62	64	58	58	57	bczl	Str Nimb	1	S		
2	4	8	N	w by n	2-4		29.62	64	58	58	57	"	"	2	"		
3	2	8	"	"	3		29.61	64	58	58	57	"	Cir Str Nimb	1	"		
4	5	2	"	"	4-5		29.61	64	58	58	57	"	"	1	"		
5	5	5	"	W by S	5-3		29.67	63	58	58	59	bc	"	2	"		
6	2	0	"	SW by S	3-2		29.67	63	58	58	59	bcz	Cir Cum	4	"	Shook reef out of topsails set royals.	
7	3	4	"	"	3-2		29.70	63	59	58	59	bc	Cir	8	"	Hoisted fly, jib and G. topsail.	
8	4	5	"	SW by W	3		29.72	63	59	58	59	"	"	9	"		
9	4	8	"	SW	3		29.74	62	60	60	59	"	"	9	"		
10	4	5	"	"	3		29.75	61	61	60	59	"	"	9	"		
11	3	7	"	SSW	3		29.77	60	60	59	59	"	Str	9	"		
Noon	4	6	N by W	S	3		29.77	60	60	59	59	"	"	9	"		
[Note in left margin at 8 AM reads "S 44 ° 09 ' W 57° 29 ' "]																	
Distance run by Log since preceding Noon											96 knots		Tenths 9 fathoms.				
Latitude by D. R. at Noon											S 43 °		49 ' 13 "				
Longitude by D. R. at Noon											W 57 °		31 ' 16 "				
Latitude by Observations at Noon ⊕											S 43 °		52 ' 36 "				
Longitude by Chronometer from Forenoon Observations ⊕											W 57 °		19 ' 27 "				
Current during the time			knots 4		TENTHS 11.5 per hour, setting to the			S.E. x E			[Note in left margin reads "Sg. No 576 "]						
Variation of the Compass by Amplitude ⊕ observed at Sunrise											°		" "				
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. S 44° 09' W 57° 24'											°		" "				
Water expended during the preceding 24 hours											250 gallons						
Water during the preceding 24 hours											"						
Water remaining on hand fit for use at noon											1500 "						
Coal consumed during the preceding 24 hours											Tons		lbs.				
Coal remaining on hand at Noon											"		"				
[Note in left margin at 8 PM reads "S 43 ° 31 ' W 57° 14' "]																	
P,M																	
1	1	9	n by w n 1/2 w	SSW	3		29.80	62	60	60	61	bc	Cum Str	9	S L		
2	3	4	"	"	3		29.82	62	62	62	61	"	"	9	"		
3	2	6	"	"	2		29.83	63	63	63	61	"	"	9	"		
4	2	0	"	"	2		29.84	64	64	64	61	"	"	9	"		
5	2	4	"	WSW	2		29.84	64	63	62	60	"	Cir Str	9	S		
6	3	4	"	SW	3		29.85	63	61	60	60	"	"	9	"		
7	2	5	"	SW by W	2-1		29.85	65	60	60	60	"	"	8	"		
8	1	4	"	W by S	1-2		29.87	65	59	59	59	"	"	8	"		
9	3	2	"	W	2-3		29.89	65	58	58	60	"	"	9	"		
10	4	5	"	W by N	3		29.89	65	58	58	60	"	"	8	"		
11	4	8	"	"	3		29.89	65	58	58	60	"	"	8	"		
Mid.	4	6	"	W	3		29.89	64	58	58	60	bcm	"	8	"		
Longitude by Chronometer from Afternoon Observations ⊕											°		' "				
Longitude by Chronometer Observations											°		' "				
Variation of the Compass by Amplitude											°		' "				
Variation of the Compass by											at		° ' "				

under the command of Commander W. S. Schley, U. S. Navy.
Tuesday, February 11th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and overcast, most part of watch. Light to gentle breeze from W.N.W. varying to W. Bar. steady 29.61. Smooth sea. Sheet lightening around the horizon. Steering by the wind. On her course last two hours.

L. P. Jerrett
Master ~~Ensign~~

4 to 8 A.M. Clear and pleasant, after first hour of watch. Stiff to light and gentle breeze from S.W.S. to S.W. by W. Bar. rising. Smooth sea. Steering the course. At 5.15 shook reefs out of the topsails and set royals. At 7.00 set fly. jib. At 7.10 set spanker and gaff topsail.

C. K. Curtis Lieut

8 AM. to Merid. Clear and pleasant with gentle breeze from S.W. to S. Bar. rising 29.79 at noon. At 9.15 mustered and inspected at quarters and exercised the crew as per routine. At 11 oclock [o'clock] spoke French Bark Louise Marie of St. Malo, 35 days from Table Bay, bound to Iquique, all well on board. At 11 changed course to S. by W. Under all plain sail. ~~Mid~~ On course.

C. B. T. Moore
Ensign

From Merid. to 4 P.M. Clear and pleasant. Gentle to light breeze from S.S.W. At 12.30 changed course to N 1/2 W. Bar. rising. Long swell from S.W. On course N 1/2 W.

L. P. Jerrett
Master

4 to 6 P.M. Clear and pleasant. Light to gentle breeze from W.S.W. Bar. rising. Smooth sea. Steering the course. Slushed spars.

Sam. C. Lemly
Ensign

6 to 8 P.M. Clear and pleasant. Light breeze to light airs from S.W. by W. and W. by S. Bar rising. Smooth sea. Steering the course. Mustered at quarters at 6.00.

C. B. T. Moore
Ensign

8 PM to Mid. Clear and pleasant. Gentle breeze from W. by N. Moon rose at 9. Smooth sea. Bar steady 29.89 at 12. Steering course. Under all plain sail.

L. P. Jerrett
Master

Moons phase in 3rd qr Dec. S 17°

Examined and found to be correct

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea Making passage from Falkland Island to Montevideo Uruguay

Hour.	WINDS.						BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	Tenths fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	4	0	n 1/2 w	SW	3		29.89	64	58	58	60	bc	Cir Cum	7	S	All plain sail
2	2	0	"	"	2		29.89	64	58	58	60	"	"	7	"	
3	1	5	"	"	1		29.89	64	58	58	60	"	"	7	"	
4	1	2	"	"	1		29.89	64	58	58	60	"	Cir	7	"	
5	1	2	"	SW by W	1		29.89	63	58	58	60	"	"	8	"	
6	1	5	"	wsW	1		29.90	63	59	59	60	"	"	9	"	
7	2	0	"	W	2		29.92	63	59	59	60	"	"	9	"	
8	1	6	"	"	2		29.92	63	59	59	60	"	"	9	"	
9	1	5	"	"	2		29.92	63	59	58	61	b	"	10	"	
10	1	5	N 1/2 E	wnw	2		29.93	63	59	58	61	"	"	10	"	
11	2	0	n 1/4 w	"	2		29.94	63	59	59	61	"	"	10	"	
Noon	3	0	n 1/2 w	W by N	2-3		29.94	63	59	59	62	bc	"	9	"	

[Note in left margin at 8 AM reads "S 43° 49' W 57° 12' "]

Distance run by Log since preceding Noon	51 knots	Tenths fathoms.	
Latitude by D. R. at Noon	S 43 °	1	36 "
Longitude by D. R. at Noon	W 57 °	12	27 "
Latitude by Observations at Noon ⊕	S 42 °	41	27 "
Longitude by Chronometer from Forenoon Observations ⊕	W 57 °	1	2 "
Current during the time	knots 9	TENTHS fms. per hour, setting to the	NNE [Note in left margin reads "Sg. No 576 "]
Variation of the Compass by Amplitude ⊕ observed at Sunrise		°	" "
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. S 42° 49' W 57° 2'	E 12 °		" "
Water expended during the preceding 24 hours			300 gallons
Water during the preceding 24 hours			"
Water remaining on hand fit for use at noon			1300 "
Coal consumed during the preceding 24 hours	tons		lbs.
Coal remaining on hand at Noon	"		"

[Note in left margin at 8 AM reads "S 42° 28' W 56° 48' "]

P,M																	
1	1	8	n 1/4 w	WNW	2		29.92	63	62	64	62	bc	Cum	9	S		
2	1	2	n 1/2 e	"	2		29.92	64	63	63	63	"	"	9	"		
3	1	8	n 1/4 e	"	2		29.92	65	64	64	63	"	"	9	"		
4	2	0	"	"	2		29.92	65	64	64	63	"	"	9	"		
5	1	6	N by E 1/2 E	NW by N	2		29.92	65	63	63	63	"	"	9	"		
6	1	6	"	"	2		29.92	65	62	62	62	"	Cir Str	9	"		
7	2	2	NNE 1/2 E	NW	2-3		29.92	65	60	60	62	"	"	9	"		
8	3	0	NE 1/2 N	NW by N	3		29.92	65	60	60	62	"	"	9	"		
9	2	0	NE by N	"	2		29.92	65	60	60	62	bcz	"	9	"	Took in royals and	
10	1	0	NNE 1/2 E	NW	1		29.92	65	60	60	62	"	"	9	"	flying jib.	
11	1	5	NNE	"	2		29.92	65	60	60	62	bc	"	9	"		
Mid.	2	0	N by E	NW by W	2		29.92	65	60	60	62	"	"	9	"		
Longitude by Chronometer from Afternoon Observations ⊕												°	'	"			
Longitude by Chronometer Observations												°	'	"			
Variation of the Compass by Amplitude								observed at Sunset				°	'	"			
Variation of the Compass by								at				°	'	"			

under the command of Commander W. S. Schley, U. S. Navy.
Wednesday, February 12th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Gentle breeze to light airs from S.W. Bright moonlight. Barometer steady. On course N. 1/2 W.

Sam. C. Lemly
Ensign

From 4 to 8 A.M. Clear and pleasant. Light airs to light breeze from S.W. by W. hauling to West. Barometer rising. Smooth sea. On course N. 1/2 W.

C. K. Curtis
Lieut

From 8 AM. to Merid. Clear and pleasant. Light and gentle breeze from West and W.N.W. Barometer rising. Smooth sea. Steering the course first and last hour of watch. By the wind second and third hour. Quarters for inspection at 9.15. Drilled 1st and 2nd Div. at great guns. Powder Division at stations for general exercise. Overhauling ~~Ridge-ropes~~ ridge ropes grab ropes and boom ladder.

L. P. Jerrett
Master

Merid. to 4 P.M. Clear and pleasant with light breeze from W.N.W. By the wind under all plain sail close reefed mainsail. Barometer steady at 29.92 Smooth sea. At 2 hauled up mainsail took second reef and set it again. At 2.05 started fires in two boilers for distilling.

Sam. C. Lemly
Ensign

From 4 to 6 P.M. Clear and pleasant. Light breeze from N.W. by W. At 5 commenced distilling. Fires banked in two boilers. Full and by.

C. B. T. Moore
Ensign

From 6 to 8 P.M. Clear and pleasant. Light to gentle breeze from N.W. by W. hauling to N.W. by N. Bar. steady. Smooth sea Steering full and by. Distilling.

L. P. Jerrett
Master

From 8 PM to Mid. Clear and pleasant. Light breeze from N.W. by N. to N.W. by W. Bar. steady smooth sea. Steering by the wind. At 8.15 took in royals and flying jib. Distilling with fires banked in two boilers. Average steam pressure 25 lbs. Moon rose at 9.30.

Sam. C. Lemly
Ensign

Moons phase In 3rd qr Dec. S 12°

Examined and found to be correct

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Falkland Islands to Monte Video

Hour.	WINDS.						BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
	Knots.	fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A.M																
1	1	9	n 1/4 e	NW by W	3		29.90	65	60	60	60	bc	Cir	9	S	Plain sail to T.G. Two reefs
2	1	5	"	"	3		29.88	65	60	60	60	"	"	9	"	in Mainsail.
3	1	3	NE by E 1/2 E	NW	2		29.87	65	60	60	60	"	"	9	"	
4	1	3	"	"	2		29.87	65	60	60	60	"	"	9	"	
5	2	0	NE 1/4 N	NNW	3		29.87	64	60	60	61	"	Cir Str	9	"	Set royals and fly jib.
6	4	4	NE 1/4 E	"	4		29.88	64	60	60	61	"	"	9	"	
7	4	6	NE	"	4		29.89	64	60	60	61	"	"	9	"	
8	5	0	NE 1/2 E	"	4		29.90	64	60	60	61	"	"	9	"	
9	5	0	NE 1/2 N	NW by N	5		29.90	64	60	60	61	"	"	9	"	
10	5	2	W 1/2 S	NNW	5		29.90	64	60	60	61	"	"	9	"	
11	5	8	"	"	5		29.90	64	60	60	61	"	"	9	"	Took in fly. jib.
Noon	6	0	"	"	5		29.86	64	60	60	61	"	"	9	"	

[Note in left margin at 8 AM reads "S 42° 09' W 56° 00' "]

Distance run by Log since preceding Noon	66 knots	Tenths 8 fathoms.	
Latitude by D. R. at Noon	S 42 °	3	29 "
Longitude by D. R. at Noon	W 56 °	57	26 "
Latitude by Observations ⊕	S 42 °	2	42 "
Longitude by Chronometer from Forenoon Observations ⊕	W 56 °	23	17 "
Current during the time 1 knots ----- TENTHS fms. per hour, setting to the	E 1/8 N		[Note in left margin reads "Sg. No 576"]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at 8 A.M. S 42° 09' W 56° 05'	°	"	"
Water expended during the preceding 24 hours		300 gallons	
Water Condensed during the preceding 24 hours		450 "	
Water remaining on hand fit for use at noon		1450 "	
Coal consumed during the preceding 24 hours	tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 PM reads "S 41° 48' W 56° 55' "]

P,M																
1	6	0	W 1/4 N	NNW	5		29.85	63	62	62	62	bc	Cir Str	9	S	
2	6	7	W 1/2 N	n by w	6		29.82	64	63	63	62	"	"	8	"	Took in royals.
3	6	8	"	"	6		29.80	64	62	62	62	"	"	8	"	
4	6	2	W 3/4 N	"	5		29.79	64	59	59	59	"	"	9	"	
5	5	5	W 1/2 N	"	5	1/4	29.78	63	59	59	55	"	"	10	"	
6	4	8	W 3/4 N	"	5	1/4	29.77	63	58	59	55	"	"	8	"	
7	4		NE 1/2 N	NNW	5		29.77	63	58	58	54	oc	Cir Cum Str	0	[?]	
8	2	5	NNE 1/2 E	NW	4		29.77	63	56	57	54	oclg	"	0	"	
9	2	1	NNE	"	3	1/4	29.78	63	56	56	54	ocf	"	0	"	
10	2	0	N by E 1/2 E	NW by W	2	1	29.78	63	56	56	54	"	"	0	"	
11	1	3	N 3/4 E	WNW	1	1	29.80	64	57	57	54	bcf	"	3	"	
Mid.	1	2	N	"	1	1	29.80	64	57	57	54	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Thursday, February 13th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and pleasant, bright moonlight. Light to gentle breeze from N.W. by W. to N.W. Sea smooth. Bar. falling first two hours, steady last two at 29.87. Fires banked under two boilers. Distilling.

C. B. T. Moore
Ensign

4 to 8 A.M. Clear and pleasant. Gentle to moderate breeze from N.N.W. Distilling. Bar. rising 29.90. Full and by. At 5 set royals and flying jib Fires banked under two boilers. Distilling.

J. K. Curtis
Lieut.

8 AM. to Merid. Clear, pleasant weather. Stiff breeze from N.N.W. to N.W. by N. Bar. falling last hour. Smooth sea. Steering full and by. At 9.00 AM backed ship. Loosed storm sails to dry and furled them at 11.50. Took in fly. jib at 11.20 Distilling. Fires banked in two boilers, 25 lbs steam.

Sam. C. Lemly
Ensign

Merid. to 4 P.M. Clear and pleasant. Stiff to fresh breeze from N.N.W. and N. by W. Bar. falling. Smooth sea. Steering by the wind. At 1.30 furled royals and mizzen storm staysail. Distilling with fires banked in two boilers. Av. st. pres. 25 lbs.

C. B. T. Moore
Ensign

4 to 6 P.M. Clear and pleasant, with stiff breeze from N. by W. Bar. falling. At 5.45 tacked ship. Fires banked in two boilers. Distilling.

L. P. Jerrett
Master

6 to 8 P.M. Overcast, cloudy, and hazy. Stiff to moderate breeze from N.N.W. to N.W. Remarked tide rips. At 6.30 mustered at quarters. Banked fires in two boilers. St. pres. 25 lbs. Distilling. Full and by.

Sam. C. Lemly
Ensign

8 PM to Mid. Overcast, cloudy, and foggy. Light airs to gentle breeze from N.W. to W.N.W> Bar. rising slowly. Distilling. Banked fires in two boilers. At 8.15 took in gaff topsail. Steering full and by.

C. B. T. Moore
Ensign

Moons phase. At last qr Dec. S. 28°

Examined and found to be correct

C. K. Curtis
Lieut. Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea, Making passage from Falkland Islands to Monte Video.

Hour.	Knots. fathoms.		WINDS.			BAROMETER.			TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Range of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. alt'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A,M																
1	1	3	N 1/2 E	wnw	2		29.80	63	56	56	55	bw	-	10	S	Jib, F.T.M. staysail, foresail reefed M. sail, topsails T.G. sails and spanker.
2	2	0	"	"	3		29.80	63	55	55	55	bfw	-	3	"	
3	2	5	"	"	3		29.79	63	55	55	55	ofw	-	0	"	
4	1	6	"	"	2		29.79	63	55	55	55	"	-	0	"	
5	1	6	"	wsW	2		29.80	63	55	55	55	ocfw	Cir Nimb	6	"	
6	2	5	"	ssw	3		29.80	63	55	55	55	"	-	-	"	
7	2	8	"	S	3		29.80	63	56	56	55	"	-	-	"	
8	2	6	"	"	3		29.84	63	56	56	55	"	-	-	"	
9	1	8	"	"	1		29.86	61	57	57	55	"	Cir Cum Str	0	"	Hauled up mainsail
10	2	3	"	sse	2		29.88	61	59	59	59	bsm	"	2	"	Set lee clew of M. sail.
11	2	4	"	"	2		29.87	60	59	60	59	"	"	4	"	Spanker and G. topsail.
Noon	1	5	"	"	2		29.87	60	59	60	59	"	"	6	"	

[Note in left margin at 9 AM reads "S 41° 01' W 56° 33' "]

Distance run by Log since preceding Noon	75 knots	Tenths fathoms.	
Latitude by D. R. at Noon	S 41 °	16	48 "
Longitude by D. R. at Noon	W 56 °	52	17 "
Latitude by Observations at Noon ⊕	S 40 °	56	6 "
Longitude by Chronometer from Forenoon Observations ⊕	W 56 °	31	36 "
Current during the time knots	TENTHS		[Note in left margin reads "Sg. No 576 "]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours		300	gallons
Water condensed during the preceding 24 hours		900	"
Water remaining on hand fit for use at noon		2050	"
Coal consumed during the preceding 24 hours	Tons		lbs.
Coal remaining on hand at Noon	"		"

[Note in left margin at 8 AM reads "S 40° 34' W 56° 21' "]

P,M																
1	1	1	N				29.87	61	59	59	58	bcz	Cir Cum Str	5	S	
	1	7	N 1/4 W	SE	2											
2	3	0	"	E	3		29.86	61	58	58	57	"	"	3	"	
3	3	4	"	"	3		29.85	61	59	59	57	"	"	6	"	Set fly. jib and F.T.M
4	3	5	"	e by n	3		29.84	62	59	59	57	"	Cir Str	8	"	staysail.
5	3	2	"	N	3		29.83	61	58	58	57	"	"	5	"	
6	1	0	ESE	NE	3		29.84	61	58	58	56	"	"	5	"	
	0	2														
7	2	8	NW 1/4 W	"	3		29.81	61	56	56	56	bcb	"	6	"	
8	3	6	NW 3/4 N	"	4		29.82	61	55	56	56	"	"	-	L	
9	4	0	NNW 1/4 W	"	5	1/2	29.83	62	55	55	56	ocfwd	"	"	S	
10	2	5	N 3/4 W	NE by E	6	3/4	29.83	62	54	54	56	"	"	"	"	Close reefed topsails
11	1	5	NNW	"	6	3	29.82	62	54	54	56	"	"	"	"	
Mid.	1	0	"	"	6	2	29.82	62	54	54	56	"	"	"	"	Single reefed foresail.

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude	°	'	"
Variation of the Compass by	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Friday, February 14th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Mid to 4 A.M. Clear and pleasant first hour of watch. Overcast, foggy, and very wet after. Light to gentle breeze from W.N.W. Bar. falling slowly. Smooth sea. Steering by the wind. Distilling with fires banked in two boilers. Av. st. pres. 25 lbs.

L. P. Jerrett
Master

4 to 8 A.M. Foggy and damp, with gentle breeze from W.S.W. hauling to S. last two hours. Bar. steady first three hours, rising last hour 29.84 at 8. At 5.40 set royals. At 6.40 took in spanker and hauled down F.T. staysail. Fires banked in two boilers, Av. st. pres. 25 lbs. Distilling.

Sam. C. Lemly
Ensign

8 AM. to Merid. Overcast, misty and foggy first hour then cloudy to pleasant. At 9 hauled up M.sail. At 9.15 exercised divisions at fire quarters. At 10 exchanged colors with an English bark. At 10.30 set spanker gaff topsail and lee clew of mainsail. Set storm sails to dry. By order of Comdg. Officer John W. Greene (Lds) was released from confinement and restored to duty. Placed John P. Roberts (Lds) in confinement in compliance with sentence of summary court. On course N. Distilling.

C. B. T. Moore
Ensign

Merid. to 4 P.M. Pleasant weather, hazy around horizon. At 12.45 changed to N. 1/4 W. Steering course. Wind light to gentle from S.E. hauling to E. by N. At 2.25 got a cast of the deep sea lead, no bottom at 32 fms. Main royals halliards [halyards] parted took in sail, and set it again as soon as halliard [halyard] were repaired. Set flying jib and F. J. staysail at 3.40.

L. P. Jerrett
Master

4 to 6 P.M. Pleasant hazy weather. Gentle to light breeze from E.N.E. and N.E. Bar. rising. Smooth sea. Steering by the wind. Distilling with fires banked in two boilers. Av. st. pres. 25 lbs. Taken aback at 5.30. braced round on port tack, heading E.S.E. At 5.55 tacked to N.W.

Sam. C. Lemly
Ensign

6 to 8 P.M. Heavy fog, very damp. Gentle to moderate breeze from N.N.E. Bar. rising. At 6 took in royals, and flying jib. At 7 furled T. G. sails and took two reefs in the topsails. Fires banked in two boilers. Distilling.

C. B. T. Moore
Ensign

8 PM to Mid. Overcast, foggy, and misty. Stiff to fresh breeze from N.E. to N.E. by E. At 10 took close reef in topsails, single reef in foresail. At 11 cast deep sea lead, no bottom at 85 fms. Distilling. Lightening from S. & W. Full and by.

L. P. Jerrett
Master

Moons phase in last qr Dec. S 26°

C. K. Curtis
Lieut.

Examined and found to be correct

Navigator.

LOG of the UNITED STATES STEAMER "ESSEX", 3rd Rate, 6 Guns, At Sea. Making passage from Falkland Islands to Monte Video

Hour.			WINDS.				BAROMETER.		TEMPERATURE.				State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
			Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.						
Knots.	fathoms.																
A,M																	
1	1		NNW	ENE	2	2	29.83	61	56	56	56	ofits	Nimb	0	S	F.T. staysail double reefed topsails, jibs	
2	3	0	N	SE	5-6		29.87	61	56	56	56	oltsu	"	0	"	Reefed fore and mainsail.	
3	4	0	N 1/2 E	E	5		29.88	61	56	56	56	olfu	"	0	"		
4	4	0	"	"	5		29.88	61	56	56	56	olfub	"	0	"	Took in spanker.	
5	3	2	"	E by N	5	1/2	29.85	61	56	56	56	ocms	"	0	"		
6	3	0	"	"	4-5	1/2	29.85	61	57	57	57	"	"	0	"		
7	2	2	N by W	ENE	4	1/2	29.85	61	58	58	58	"	Nimb Str	0	"	Shook one reef out of topsail.	
8	3	0	N by W 1/2 W	NE by E	5-6	1/2	29.85	61	57	58	58	ocrq	"	0	"	Set jib and spanker.	
9	4	4	NNW 1/4 W	"	5-6	1/2	29.85	62	59	59	60	ocr	"	0	"		
10	3	0	E by S	NE by N	5	3/4	29.90	62	60	60	60	"	"	0	"		
11			"	"			29.					"	"		"		
Noon			"	"			29.					"	"		"		

[Notes in left margin: At 6 AM reads "S 40° 00' W 56° 24' ; at 10 AM S 39° 49' W 56° 25' "]

Distance run by Log since preceding Noon	68 knots	Tenths 8 fathoms.	
Latitude by D. R. at Noon	S 40 °	1	30 "
Longitude by D. R. at Noon	W 56 °	21	54 "
Latitude by Observations at Noon ⊕	S 39 °	50	33 "
Longitude by Chronometer from Forenoon Observations ⊕	W 56 °	18	36 "
Current during the time knots TENTHS fms. per hour, setting to the			[Note in left margin reads "Sg. No 589 "]
Variation of the Compass by Amplitude ⊕ observed at Sunrise	°	"	"
Variation of the Compass by Azimuth ⊕ observed at	°	"	"
Water expended during the preceding 24 hours		300 gallons	
Water Condensed during the preceding 24 hours		950 "	
Water remaining on hand fit for use at noon		2750 "	
Coal consumed during the preceding 24 hours	Tons	lbs.	
Coal remaining on hand at Noon	"	"	

[Note in left margin at 8 PM reads "S 39° 11' W 56° 08' "]

P,M																
1	2	0	E 1/2 S	NE by N	4		29.87	65	60	60	58	bc	Cir Cum Str	4	S	Furled M. sail took in jib
2	2	0	NNW 1/4 W	"	4	1/2	29.86	65	61	61	58	"	"	3	"	Took two reefs and furled
3	1	5	nnw	"	4		29.87	65	61	61	58	"	"	3	"	topsails and fore sail.
4	1	4	n 1/2 w	"	4		29.85	65	61	60	58	"	"	3	"	set M. trysail, set jib.
5	7	5	"	"	4		29.85	65	61	60	58	"	"	4	"	
6	7	9	N 1/4 W	"	4		29.85	63	61	62	65	"	"	4	"	
7	7	7	"	NE	4		29.85	63	61	62	65	bc	Nimb Str	0	"	
8	7	0	"	"	4		29.85	64	62	62	61	"	"	0	"	
9	6	5	"	"	4		29.85	64	62	62	64	"	Nimb	0	"	
10	5	6	"	"	5		29.84	65	63	64	64	ocd	"	0	"	
11	1	4	N	"	5		29.82	65	63	64	64	owdl	"	0	"	
Mid.	6	2	"	"	5		29.76	65	63	64	64	"	"	0	M	
	4		"	NNE	5-6		29.78	65	63	64	64	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊕	°	'	"
Longitude by Chronometer Observations	°	'	"
Variation of the Compass by Amplitude observed at Sunset	°	'	"
Variation of the Compass by at	°	'	"

under the command of Commander W. S. Schley, U. S. Navy.
Saturday, February 15th, 1879.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Ugly threatening weather to overcast, cloudy and foggy, with thunder and lightening and rain. At 1.13 wind came out in a fresh squall from S., took in foresail and squared away. Set foresail at 2.00, and mainsail at 3.00. Wind fresh, and steady last two hours of watch.

Sam. C. Lemly
Ensign

4 to 8 A.M. Overcast, cloudy, misty, rainy, and last hour squally. Bar. steady. Smooth sea. Steering by the wind. At 7.05 shook one reef out of topsails, set jib and spanker. At 8 got a cast of the deep sea lead in 50 fms. water gray sand.

C. K. Curtis
Lieut.

8 AM. to Merid. Overcast and damp. Moderate to stiff breeze hauling from N.E. by E. to N. by E. Sea smooth. Bar. unsteady 29.88 at 2. At 10 got a cast of the lead, bottom at 47 fms. gray sand and shells. At 10 wore ship to. At 10.45 hauled down jib. At 11.15 shook reefs out of topsails and foresail and hoisted the jib. Fires banked in two boilers. Av. st. pres. 35 lbs. Distilling.

L. P. Jerrett
Master

Merid. to 4 P.M. Cloudy and pleasant. Moderate breeze from N.E. by N. At 12.05 cast deep sea lead, light brown sandy bottom at 55 fms. At 12.40 stopped distilling. 12.43 wore ship. At 1.35 furled mainsail and took in jib. 1.53 sent down royal yards, hoisted smoke stack, put on yard and mast courses. At 1.30 started fires in two additional boilers. At 2.30 took two reefs in topsails furled topsails and foresail, set main trysail. At 2.47 coupled propeller and set jib. Scraped spars. On course N 1/2 W. Rev. 52. Av. st. pres. 60 lbs. At 4 changed course to N. 1/4 W.

Sam. C. Lemly
Ensign

4 to 6 P.M. Cloudy and overcast last hour. Moderate breeze from N.E. by N. to N.E. Bar. steady. Steering course N. 1/4 W. Steam 4 boilers. Av. st. pres. 55 lbs. Rev. 48. Finished scraping spars.

C. B. T. Moore
Ensign

6 to 8 P.M. Overcast with clouds. Mod. Weather. Moderate breeze from N.E. Bar. steady. Smooth sea. Steering the course. Steam in four boilers. Av. st. pres. 50 lbs, 40 rev. At 8 got a cast of the deep sea lead in 48 fms. water, fine gray sand bottom.

L. P. Jerrett
Master

8 PM to Mid. Overcast, ugly, threatening weather, with lightening to the N. & W. Raining latter part of watch. Stiff to very fresh breeze hauling from N.E. to N. Smooth to rough sea. At 9.30 hauled down the jib. At 10 got a cast of the lead, bottom at 47 fms. fine gray sand. At 11 took all fore and aft sails. Fires in 4 boilers. Av. st. pres. 50 lbs. Rev. 40.

Sam. C. Lemly
Ensign

Moons phase in last qr Dec. S 27 °

C. K. Curtis
Lieut.
Navigator.

Examined and found to be correct